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3 ED 076 465 SO 005 634 TITLE Classification of Educational Systems in CECD Member Countries. France, Norway, Spain. INSTITUTION Organisation for Economic Cooperation and Development, Paris (France). PUB DATE 72 NCTE 137p. AVAILABLE FROM Organisation for Economic Cooperation and Development, 2, rue Andre-Pascal, 75775 PARIS Cedex 16, France (\$3.75) ş EDRS PRICE MF-\$0.65 HC-\$6.58 DESCRIPTORS Classification; Comparative Analysis; \*Comparative Education; Education; Elementary Grades; \*Foreign Î Countries; Higher Education; Schools; Secondary Grades; Statistical Data IDENTIFIERS \*Educational Systems; France; Norway; Spain 1 **ABSTRACT** The present volume is one of a series intended to 7 provide a comparative view of the education systems of member countries of the Organisation for Economic Cooperation and Development (OECD). Published in response to a need for a \* conversation key so that national data could be readily converted on the basis of a standardized system, its purpose is to assist OECD member countries in the development of their educational statistics 2 and to provide a basis for the collection of internationally 3 comparable statistics. For background information on the method of classification, and for related documents, see SO 005 530. This 7 volume deals with three member countries, France, Norway, and Spain. Provided are definitions of terms used in the OECD classification. which is by type of education and not by institution providing 3. education. A short bibliography following each country gives sources of information regarding the educational institutions. (JMB) 3 3 3 3 1 1.

# GLASSIFICATION OF EDUCATIONAL SYSTEMS

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#### CLASSIFICATION OF EDUCATIONAL SYSTEMS IN OECD MEMBER COUNTRIES

FRANCE NORWAY SPAIN

ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT PARIS 1972



The Organisation for Economic Co-operation and Development (OECD) was set up under a Convention signed in Paris on 14th December, 1960, which provides that the OECD shall promote policies designed:

- to achieve the highest sustainable economic growth and employment and a rising standard of living in Member countries, while maintaining financial stability, and thus to contribute to the development of the world economy;
- to contribute to sound economic expansion in Member as well as non-member countries in the process of economic development;
- to contribute to the expansion of world trade on a multilateral, non-discriminatory basis in accordance with international obligations.

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#### INTRODUCTION

The present volume is one of a series intended to provide a comparative view of the education systems of all OECD Member countries. It is a complement to the earlier OECD "handbook" for educational planners: Methods and Statistical Needs for Educational Planning which was published in 1967; one of the conclusions of which was the need to establish a "cenversion key for all OECD Member countries so that published national data can be readily converted on the basis of the standardized system" as proposed in the above publication\*.

The purpose of both the "handbook" and this classification is to assist OECD Member countries in the development of their educational statistics and to provide a basis for the collection of internationally comparable statistics.

In fact, although education is first and foremost a national concern, the problems experienced in the development of educational systems are often similar in a number of countries. For this reason, it may be useful to compare different countries' solutions to specific problems. But for such comparisons to be valid, they must be based on common terms of reference; the statistics must, insofar as possible, have the same meaning in the various countries concerned.

For the statistics published by national authorities to be used as a basis for inter-country comparisons, a classification system and a set of definitions must be adopted which are acceptable and applicable to all the countries interested in making such comparisons.

Efforts have been made in various OECD studies to publish statistics on as comparable a basis as possible; no classification of education systems in their entirety has yet been established. The preparation of such a classification for OECD Member countries was included in the programme of the Committee for Scientific and Technical Personnel which has recently been replaced by the Education Committee.

\* This publication was endorsed by the OECD Council "as a suitable framework for the compilation of comparable educational statistics".



The "handbook provides the basic analytical framework and rationale for the classification; the present study shows in detail how the different parts of each country's education system are related to the reference frame in the "handbook". It is intended to be a guide to anyone who wishe's to compare or understand the structure of the education system in OECD Member countries.

To establish a conversion key for the different countries, we have to start with the national classification of each country; in principle, only those types of education or institutions which are explicitly treated in national statistics are included. The degree of detail in published statistics varies enormously from country to country, and this explains the divergence in the size of the entry for different countries in these volumes. Where appropriate, and when the information was available, other types of education have also been mentioned.

The next step was to compile maximum information on these different types of education so as to assess them qualitatively. The evaluation criteria included length of studies, admission requirements (i. e. previous schooling), qualifications conferred and the possibility of transfer to other types of education, organisation of studies on a full-time or on a part-time basis, and any other information of possible interest to potential readers.

On the basis of this information, each type of education or institution has been reclassified under the OECD system, both from the standpoint of standardized designation and in terms of its position on the educational ladder by year of study.

Since education is now being extensively reorganised in many countries, the present study attempts to present the existing situation but also to give an indication of changes which have occurred during the past ten years.

While the present classification is valid for the situation at the date mentioned for each country, it may no longer hold for the new educational structures and concepts towards which some countries are already moving: for example, the discontinuance of the notion of levels and grades, continuing or recurrent education, etc. These changes will be taken into account in future revisions of this classification.

Since educational statistics in most countries are still cast in a national mould which reflects traditional administrative needs, it is hoped that this conversion key may help to promote a better mutual understanding of the systems in the different countries, permit the compilation and presentation of comparable statistics and enable each country to identify easily what is covered by each aggregate presented in a particular study.



This classification was prepared for all OECD Member countries by the Directorate for Scientific Affairs of the OECD Secretariat on the basis of available information and was subsequently submitted to the appropriate national authorities for verification and approval. Responsibility for the work in the Secretariat was with Monique Solliliage of the Educational Investment and Development Division, assisted by Randolph Quenum, James Steel and Arne Isachsen.



#### DEFINITION OF TERMS USED IN THE OECD CLASSIFICATION\*

This is a classification by type of education and not by institution providing education. In fact, pupils of the same institution may, depending on the section or options chosen, take a general or vocational course, a course preparing them for higher studies, or a terminal course. Only the different types of education are suitable for intercountry comparison. A case in point is that of the universities: as educational institutions they may provide, in addition to courses leading to the officially recognised first university degree, courses of shorter duration leading to qualifications below first-degree level and comparable to those awarded by higher education institutions not having university status. Conversely, non-university institutions may award the equivalent of a university degree.

#### Pre-primary

Non-compulsory education preceding entrance into primary education.

#### Primary

Compulsory general education for all pupils. In systems providing a comprehensive-type education for all pupils which covers all or part of their compulsory schooling, only those years in which there is no differentiation (in the form of subject options) have been regarded as primary education.

#### General secondary

Education which is not direct preparation for an occupation.

#### Technical secondary

Education designed as direct preparation for an occupation or trade.

\* For further details of this classification, the reader is referred to Chapter IX of Methods and Statistical Needs for Educational Planning, OECD, 1967.



#### Secondary (a)

General or technical education offers pupils, upon completion, a relatively good chance of continuing their studies in a higher education establishment.

#### Secondary (b)

General or technical education, after which pupils have little chance of continuing to higher education.

This separation of secondary education into types (a) and (b) seems preferable to the frequently-used division into lower and upper levels or 1st and 2nd cycles because in more and more cases the lower level is common to all pupils (although sometimes composed of different sections) and only at the end of this period do pupils receive final guidance and make definitive choice concerning their future schooling.

#### Teacher training

Preparatory training for the teaching profession.

#### Non-university type higher education\*

Higher education leading to a specific qualification, often occupational and, unlike the first university degree, generally not offering the possibility of pursuing doctorate or other post-graduate studies.

#### University type higher education\*

The length of the different types of education varies from country to country. It was therefore considered advisable to specify the corresponding years of study in the educational scale so as to permit any regrouping necessary for inter-country comparisons.



<sup>\*</sup> Where it has not been possible to make the distinction between non-university higher education and university higher education as defined here, the level of the degree awarded at the end of the different types of studies has been specified: below first-degree level, intermediate diploma (usually preparatory to first degree), first or basic degree, higher degree (above first degree), doctorate.

(August 1971)

Compulsory schooling: 10 years from the age of 6 to 16



0.E.C.O. Classification	Type of Years of Study	(3) (8)	Pre- primary	Primary 1-5	General 6-8 (b)
9.0					
	Other Information	(9)	For children aged between 2 and 6. State or private schools. Instruction of this kind is also given in infant classes attached to a primary school.	Instruction is given in independent State and private schools as well as in primary classes of general secondary school and includes: preparatory course (CP), elementary courses (CE1 and CE2), intermediate courses (CH1 and CM2).	These classes followed the period of elementary education until age of 14 which was formerly school leaving age. The primary certificate was awarded at the end of the course (CEP) enabling publis to sit a competitive entrance college (CEF) or to be admitted to a agricultural college on the strength of a school record. The extension of the period of compulsory education to 16 and the creation of a tension of the period of compulsory the new CES and CEC have brought about the progressive disappearance of the classes. In fact, now all pupils must automatically enrol in the 1st cycle of secondary education in the progressive disappearance of the classes. In fact, now all pupils must automatically enrol in the 1st cycle of secondary education after the elementary period. As these classes have not yet entirely disappeared pupils who still attend them can pursue their studies in the CET, after sitting a competitive examination, with a view
	Full/ Part Time	(5)	,	Full	
	Certificate	(4)	·	ı	
Futrance	Requirements	(3)	ı	To be 6 years old (5 in some municipalities). Exceptions in favour of age are made.	
Length of	Study (in years)	(2)		w	a
Tues of Education	lype of Couration or Institution	ε	1. Pre-primary education 1.1. Ecoles maternelles (Nursery school) 1.2. Classes enfantines (Infant classes) 2. Primary	2.1. Ecoles éle- mentaires (Elemen- tary schools) 2.2. Classes pri- maires (Primary	2.3. Classes de fin d'études primaires (Primary terminal classes)



cation	Years of Study	(6)	Vari- able		6-9			
O E.C.D. Classi*cation	Type of Education	(3)	Special					
	Other Information	(9)	classes of CES and CEJ or enter an industrial or commercial apprenticeship so as to acquire professional training while continuing part-time schooling.  This type of education covers training classes for the handicapped, national schools of further training, special schools for children with sensorial or mnotry defects, outdor schools for children from hospital observation units or who are convalesting. Instruction is generally given in independent institutions.		In state establishments the 1st cycle of secondary education or observation and guidance cycle is provided in:	- general secondary schools (lycées): these establishments provide both 1st and 2nd cycles, but 1st cycle instruction is gradually being phased out; - in colleges of general education (CEG) which provide only 1st cycle.	These establishments will also disappear or be transformed into (ES; or no colleges of secondary education (CEs) which are of recent creation and cover all types of instruction mentioned below within one single	After elementary studies all publis enter 1st secondary cycle which covers 6th, 5th, 4th and 3rd forms. Then numbered inversely compared to English system i.e. French 6th form = English 1st form, etc.)
11.3	Part Time	(5)	Full time		Full time			
	Certificate	(4)	rartable according to level of studies		Optional - 1st cycle certificate (BEPC) allowing	pupirs to sit a number of competitive examinations in administration, as well as competitive entrance exam in certain specialized	Schools.  Compulsory education leaving certificate for pupils who leave school on comple-	education.
Entrance	Requirements	(3)	Variable according to level of studies		Completion of ele- mentary education			
Length of	Study (in years)	(2)	Veri- able		7	7	7	7
Type of Education	סר וחצנונטויסח	(1)	3. Special	4. 1st cycle of Reneral secondary education	4.1. Lycées (General secondary schools) (1st	4.2. Collèges 4.2. Collèges d'énseignement général - CEG (Collèges of gen- eral education - CEG)	4.3. Collèges d'enseignement secondaire - CES (Colleges of secondary education - CES)	4,4, Etablissements secondaires privés du niveau du lycée (Private secondary establishments of 2nd cycle secondary level)



ıssification	Years of	(8)	י ו
O.E.C.D. Classification	Type of	(2)	Type I and Igeneral Secondary (a) Type III: general secondary (b)
	Uther Intormation	(9)	Pupils are streamed towards the following types of courses depending on their ability:  I: "lycées" type and II: CEG type which have a common syllabus but former in teaching methods or III: former transition section with syllabus and teaching methods suited to type of course provided.  Courses in III are designed for pupils who, on completion of GNZ class general cannot be admitted to a secondary 6th form, nor a CEG 6th form. For pupils who are unable to join either section I or II courses in cluding a pre-vocational training.  The first two years of study (6th and 5th) are common to all pupils. From 4th form onwards pupils can choose various optional subjects in addition to the common core of subjects. As fandardize the choice of optional subjects in additions subjects throughout the various stablishments.  There nevertheless remains an essential difference between establishments type I, II and III due to the qualifications of the teaching staff.  The 2nd cycle of secondary education includes: a long general or technical education, a short education and courses in agriculture.
CII.7	rull, Part Time	(5)	
•	Certificate	(4)	
Entrance	Requirements	(3)	
Length of	Study (in years)	3	4
Type of Education	or Institution	(3)	4.5. Cours complémentaires privés (Complementary private courses)  5. 2nd cycle of secondary education



Requirements (3)
_
On advice of guid- ance council at the end of 3rd form. If section. In theary form. If accepted by upil he must sit an entrance exam to section of his choice and should he fail, must fol- low advice given from one class to the decision of the class council the class council who can direct pu- another is made the class council the clas
forent section.  There is, therefore, the philosophy, arts):  fore, continual  guidance, but sec- guidance, but sec- form largoly de- social sciences):  form largoly de- social sciences):  course of studies. Faculty of Arts  (human science) and  law (economics)  "Baccalauréat" C  (mathematics and  physics): Faculties of Science  (mathematics and  physics): Faculties of Science  "Baccalauréat" D  (mathematics and  physics): Faculties of Science  "Baccalauréat" D  (mathematics and  physics): Faculties of Science): Faculties of Science): Faculties of Science)  and Pharmacy and  ties of Medicine  and Pharmacy and  to some top level  schools  "Baccalauréat" D  (mathematics and  matural sciences): Faculties of Science)  faculties of Science)  faculties of Science)  faculties of Sciences): Faculties of Science)  faculties of Sciences): Facul

sification	Years of Study	<u>@</u>		10-12 ·	10-12
0.E.C.O. Classification	Type of Education	(3)		secondary (a)	Technical secondary (b)
	Uther Information	(9)	In addition to this there are other optional subjects.  Terminal B: Social and Economic Sciences (two options).  Terminal C: Former elementary Mathematics leads towards study of Mathematics and Physics (four options).  Terminal D: Mathematics and Natural Science (four options).  Terminal E: Mathematics and Techniques.  An average mark of 10 is required in order to obtain the "baccalauréats".  A secondary leaving certificate is, however, also awarded to those who have scored a mark between 8 and 10 in the examination	In addition to the long technical education terminating with "Baccalauréat." E, there are also other types of education of the same duration covering industrial techniques or commerce and administration and which lead to the technician's "baccalaureat" in economy attend a second AB (introduction to economics) followed by a 6th year (classe de 1ère) and a final year followed by a final year fol	On the advice of the guidance council, pupils can attend special classes in general secondary schools, if they so desire,
	Part Time	(5)		fine time	
	Certificate	€	"Baccalauréat" E (mathematics and techniques): Engineering schools (trade and craft schools and national al schools of en- dlities of Science. All these types of "baccalauréat" also give access to IUT's.	Technician's "baccalauréat" in economy; Technician's "baccalauréat" in Industry; Technician's "baccalauréat" in computing These three types are particularly geared towards IUT.	Technician's cer-
Entrance	Requirements	(3)		Completion of 1st	
Length of	Study (in years)	(2)		M	
Type of Education	or Institution	(1)		5.1.2. Préparation aux baccalauréats et brevet de tech- nicien (Preparatory courses for technician's "baccalauréat" and certificate - B.Th and BT)	



ication	Years of Study	(9)						10-11
0.E.C.O. Classification	Type of	(1)						Technical secondary (b)
	Other Information	(9)	1) Hotel Management TH: two options: A: cooking, restaurants. B: reception, administrative work, room service. Study of English is compulsory.	2) Social Technical section TSO (two options: medical-social office studies and assistant in community management department) includes study of one modern language, natural science and hygiene, accountancy, professional legislation depending on slant of speciality.	study of French, a modern language, mathematics and physics, technical technology, etc., depending on specialized field of study. There are also 2-year courses leading to the (BEI) certificate of industrial education.	At the level of the final year there are various sections giving access to either the advanced technicians section or to industrial and commercial specialist fields which are without the regular training offered.		Training of employees qualified for a set of activities related to one particular professional sector. The level of general and technical knowledge reached through this training favours adaptability to changes in technology and also allows gifted pupils to have access to the technical sections of the long second cycle (6th year technical - special course).
	Full/ Part Time	(9)						Full time
	Certificate	(3)	- hotel management and catering	- social welfare and allied medical professions	- industry			Vocational certi- ficate (BEP) of industrial and tertiary sector or CAP (vocational proficiency cer- tificate - 2 years) in special subjects where there is no BEP at present.
Entrance	Requirements	(3)						Completion of 1st secondary cycle
Length of	Study (in years)	(3)						N
Type of Education	or Institution	(1)					5.2. Enseignement professionnel court (Vocational train- ing - short course)	5.2.1. Préparation au brevet d'études professionnelles (BEP) (Instruction leading to BEP - certificate of vo- cational studies)



	Years of	(9)		~		
sification	Yea			6		<u>_</u>
O.E.C.D. Classification	Type of	(3)		Technical secondary (b)	Technical secondary (b)	
	Other Information	(9)		A more specialized training than for BEP leading to a specific trade (turner, miller). By attending courses of professional and social promotion, holders of the CAP can prepare the vocational certificate (BP).	Training leads to skilled workman's occupation and is essentially for young people who cannot continue their studies and who have not had any vocational training, or for those who, although still of compulsory school age (i.e. under 16 years of age) are not enrolled in any other school institution.  However, those sections which lead to a CEP are available only when there are openings in the sector and in the area in question; here it is a matter of training suited to posts	
	Full/ Part Time	(2)		Full time	Full time	
	Gertificate	(9)		Certificate of vocational pro- ficiency (3rd year CAP) in social, industrial and economic sectors	Gives access to CEP or CAP classes Certificate of	vocational education
Entrance	Requirements	(3)		After primary terminal classes where they exist, or practical classes of 4th form, pre-voca- tional classes and, in some cases, transition classes of 5th form	Completion of terminal primary classes or terminal practical classes	vocational classes or practical classes of 3rd form
Length of	Study (in years)	(2)		М		
Type of Education	or Institution	(1)	- Collèges d'en- seignement technique (CET) et certaines sections profession- nelles des lycées (Colleges of tech- nical education - CET and some vo- cational sections of general secondary schools -lycées)	5.2.2. Préparation au certificat d'aptitude profession- nelle (CAP) (Instruction leading to certificate of vocational profici- ency -CAP) - CET et sections professional section of "lycées", CES et CEG (CET and vocational section of "lycées", "CES" and "CEG")	s. 2.3. Préparation au certificat d'éducation profession- elle (CEP) (Instruction leading to certificate of vocational education CEP) - Classe pré-professionnelle (Pre-vocational class)	(CEP classes)

fication	Years of Study	(8)	12-13			8-12 or 10-12
O.E.C.D. Classification	Type of Education	6)	Technical secondary (b)		Technical secondary (b)	Secondary (a)
	Other Information	(9)	This instruction existing only in certain specialized subjects is given in conjunction with the exercising of an occupation.	Includes a short and long type of education.	Short education course in agriculture is given in colleges of agriculture and centers of vocational training in agriculture which provide several training a real seas of the length of the course and diploma awarded are different in each case. After the reform of the short education course in agriculture, only the BAA and BEPA will remain.	long education course begins in 4th form but those from 3rd form in general secondary schools and colleges can go into 2nd year. Choice of options is as follows: horticulture, dairying, viticulture, oenology, forestry, economic management.  Holders of the BTA can prepare the agricultural technician's higher certificate (BTSA) in 2 years, the competitive entrance examinations to certain higher agricultural institutes and be admitted to the Faculty of Science. They can have access to certain posts in administration and in related sectors.
	rull/ Part Time	(2)	Part time		Full time	Full time
	Certificate	(4)	Vocational certificate	•	Post-school cer- tificate in agri- culture or rural domestic economy. Agricultural ap- prentice's certi- ficate (BAA); Vo- cational certifi- cate of agricul- tural studies (BEPA); Certifi- cate of agricul- tural education (BEA).	Certificate of agricultural technician (BTA) general or with mention of the option or "baccalauréat" D' (Agronomy and Technical Science)
Entrance	Entrance Requirements		To hold a BEP or a		Depending on training, candidates are required either to have completed primary terminal classes, where they exist or to have reached 4th form level, or have completed secondary ist cycle	5th form level but also end of 1st cycle
Length of	Study (in years)	(3)	N		Varia- ble	3 or 5
Type of Education	or Institution	(1)	5.2.4. Préparation au brevet profes- sionnel (BP) - Cours de perfec- tionnement (Course in further training leading to vocational certifil- cate)	5.3. Enseignement agricole (Agricultural education)	5.3.1. Enseignement court (Short education) - Collèges d'enseignement agricole (Agricultural colleges) - Centres de formation professionnelle agricole (Vocational agricultural training centres)	5.3.2. Enseignement long Long education) - Lycées agricoles (Secondary schools of agriculture (lycées))

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fication	Years of	Study (8)		·
O.E.C.D. Classification	Type of	Education (7)	Technical secondary (b) Technical secondary	Complemen- tary
Other Information	OCHE HINGRACION	(9)	Holders of series D."baccelauréat" of ther series, continue their studies in higher education (universities, "grandes écoles", etc.).  This instruction gives preparation for careers as instructors in agricultural education, advisors in dissemination of agricultural methods.  Apprenticeship training requires a contract. In addition to training within a firm, apprentices must attend part-time post-school classes. These post-school courses are of different types: comprehensive courses covering various types of of apprenticeships, vocational courses, correspondence courses. Certain firms assure both the practical apprentices.	These centers are dependent on the Ministry of Labour and Social Affairs. Young men and women may be admitted to these centers which, through paid pare them for jobs such as adjusters, fitters, refigeration repairs, assistant accountants, shorthand typists, etc.
Full/	Part Time	(2)	Part time	Full time
Gertificate		(4)	Vocational certi- ficate in agriculture CAP (certificate of vocational proficiency)	Various certificates
Entrance	Smannanday	(3)	To be 18 and be of 3rd form level Completion of com- pulsory education	At least 17 years
Length of Study	(in years)	(3)	Varia- ble 3	6-9 Months
Type of Education or Institution		(E)	5.3.3. Centres de promotion agricole (Centers of agricultural promotion) 6. Apprenticeship 7. Other types of	e for- lon- tes tes s for on I

ication	Years of	(8)	,			10–14 or 13–14
O.E.C.D. Classification	Type of Education	(6)	Complemen- tary	Complemen- tary		General secondary (a) Higher non- university (education)
	Other Information	(9)	Young men and women may acquire technician's training: construction draughtsman, plastics technician, secretary with shorthand and typing after 9-14 months paid training course.	Courses are organised by public bodies (municipalities) or private bodies (professional associations). Courses are for young men and women who have left school without any vocational training.	These courses include:	1) Preparation for "baccalaurfat" in 2-3 years depending on whether candidate begins in 2nd or 1st year; 2) A professional training proper of 2 years open to above—mentioned candidates after pass in "baccalaurfat" who have passed the competitive entrance exam to 3rd year. Course ends with award of CFEN. However, in order to become certificated, probationary to primary teachers must sit the practical examination of the CAP (certificate awarded entitle students to teach in primary education. A certain number of primary teachers can prepare in these schools the CAP—EGC (see 82.2.), enabling them to teach in section II of the CES and in the CEG.
	Full/ Part Time	(5)	Full time	Part time		full time
	Certificate	(4)	Qualifications of technician's level	Certificate of vocational proficiency (CAP) and vocational certificate (Brevet professionnel BP)		Teacher training certificate (CFEN) then CAP (certificate of teaching proficiency)
	Requirements	(3)	To be 21, have completed military service and have passed exam or competitive examination of school 1st cycle leaving certificate level (BEPC) (lower secondary certificate) or "O" level cate) or "O" level	To exercise a pro- fessional activity		Competitive entrance examination after 3rd form or competitive entrance examination to 3rd year for holders of "baccalauréat"
Lenath of	Study (in years)	(2)	9-14 months	Varia- ble		rv # cv
	lype of Education or Institution	(1)	7.1.2. Formation II (Training II)	7.2. Cours de "pro- motion sociale" (Course for "social promotion")	8. Teacher training	8.1. Ecoles normales d'instituteurs (Teacher training colleges training of primary teachers)

					10	1.44
ication	Years of Study	(8)		13-14	13-15/16	
O.E.C.D. Classification	Type of Education	ω		Higher non- university (education)	Higher non- university (education)	Higher university
	Other Information	(9)		This course is also open to certificated primary teachers with five years experience of teaching either as qualified teachers or probationary the 1st year of training is done by correspondence and ends with an examination giving access to a center where a 1-year probationary training course is undergone sanctioned by a CAP.	This training lasts three years after the "baccalauréet" and requires completion of a further year of studies before title of certificated teacher is conferred. These centers also train schoolmistresses who intend to take up teaching of domestic science or agricultural domestic studies,	These institutes exist within the faculties of arts and science and do not provide any teacher training as such. Their aim is to offer favourable working conditions for students preparing their 1st or post-graduate diploma who intend to enter the teaching profession. The first degree course generally lasts two years but may be reduced to one for holders of one or more certificates of higher studies but who do not hold the complete teaching degree.  Studies but who do not hold the complete teaching degree. Studies can sit the oral examinations of the theoretical CAPES (secondary teachers certificate) either directly after the 1st degree or after a further year in the IPES. In the latter case they usually also study for a post-graduate diploma or a 3rd excele degree. The "ipesiens" are exempted from the written part of theoretical CAPES examination.
	Full/ Part Time	(5)		Full time	Full time	fine time
	Certificate	(4)		Certificate of teaching proficiency in sections III and practical Classes of CEG and CES	Teacher training certificate adapted to short cycle, followed by CAP-EGC (former CAP-CEG)	Teaching degree (licence d'en- seignement) or post-graduate di- ploma (maîtrise)
Fufrance	Requirements	(3)		"Baccalauréat"	"Baccalauréat"	Before 1966: university preparatory year, after 1966: first year of the 1st cycle of arts and science faculties and pass in IPES competitive entrance exam.
Length of	Study (in years)	(2)		8	3-4	N
Tree of Chronica	lype of coucation or Institution	(1)	8.2. Centres régionaux (Regional centers)	8.2.1. Préparation a l'enseignement dans les sections III et pratiques des CEC et CES (Preparation for teaching in sections III and practical classes of CEG and CES)	P.2.2. Formation desprofesseurs de CEG et des sections II de CES (Training of teachers of CEG or 1st cycle secondary education - and section II of CES)	préparation à l'enseignement secondaire (IPES) (Institutes for preparation of se- condary education - IPES)



ication	Years of Study	(8)					
O.E.C.D. Classification	Type of Education	(3)	Higher university	Higher university	Higher university	Higher university	Higher university
	Other Information	(9)	Candidates who have passed the theoretical part of the CAPES (written and oral examinations for "non-lpésiens" graduates, oral examinations only for "ipésiens") undergo a 1-year professional training course under the supervision of pedagogical advisors in a CPR. On completion of the course they sit the practical part of the CAPES, qualifying them as secondary teachers (section I of 1st cycle and 2nd cycle).	The great majority of "normaliens" of Ulm and Sèvres enter posts in higher education or research while those in St. Cloud and Fontenay tend towards careers in secondary education.	These colleges train teachers of general subjects and theoretical techniques. Before becoming a qualified assistant technical teacher, candidates must complete a 1-year training course in a center affiliated to the ENSET.	Proficiency certificate for teaching in "lycées" of agriculture is equiva- lent to the CAPES and the CAPET.	The college gives pedagogical training to three categories of trainees, depending on whether they are aiming to become teachers of general education, teachers of theoretical techniques or assistant technical teachers. Entry conditions vary with each category.
	Full/ Part Time	(5)	Full time	Full time	Full time	Full time	Full time
	Certificate		Secondary teacher's certificate (CAPES)	CAPES and agréga- tion (highest teaching qualification)	Certificate of teaching profici- ency in secondary technical educa- tion (CAPET)	Certificate of teaching profici- ency in agricul- tural secondary schools (lycées)	Proficiency certificate for teaching in CET
Entrance	. Requirements	(3)	Holder of a teaching degree (11-cence) or postgraduate diploma (maîtrise) and have passed the theoretical part of CAPES	"Baccalauréat" and two years of pre- paration; competi- tive entrance examination	"Baccalauréat" and two years prepara- tion; competitive entrance examina- tion	Teaching degree (licence) or diploma in engineering or general agronomy	Admission by competitive entrance exam. Conditions of enrolment to coffers vary with post applied for
Length of	Study (in years)	(2)	~	3-4	3-4	-	N
Tune of Education	or Institution	(1)	8.4. Centres péda- gogiques régionaux (CPR) (Regional teacher training centres - CPR)	8.5. Ecoles normales supérieures (Ulm, Sèvres, St. Cloud, Fontenay) (Higher teacher training collèges)	8.6. Ecole normale supérieure de 1'en- seignement tech- nique de Cachan (ENSET) (Higher technical teacher training collège of Cachan - ENSET)	8.7. Centre de formation de Dijon (Training center of Dijon)	8.8. Ecole normale nationale d'appren- tissage (ENNA) (National teacher training appren- ticeship center - ENNA)

cation	Years of Study	8)			
D.E.C.D. Classification	Type of Education	ε	Higher university	Higher university	Higher university
	Other Information	(9)	After obtaining the certificate students are required to complete a teacher's training course leading to the teaching proficiency certificate for general secondary schools and primary teacher training colleges.	Training is provided in recognized schools and in university institutes. Students have a choice of three options: mental deficiencies, behaviorders or physical deficiencies. The courses also include training periods.	Entrance to these institutions is finalised only after candidates have passed an aptitude examination. In order to work in public services, graduates are required to pass a competitive recruitment examination.
	Full/ Part Time	(2)	Full time	Full time	full time
	Certificate	(4)	Certificate in domestic educational subjects and domestic science	Specialized educationalist State diploma	State diploma for school and vocational guidance counsellors
Entrance	Requirements	(3)	"Baccalauréat" and preparatory certificate	Examination	"Baccalauréat" Psychology degree
Length of	Study (in years)	3		M	u -
Type of Education	or Institution	€	8.9. Centre national de préparation au professorat de travaux manuels (National center for training of teachers of handwork)	8.10. Ecoles d'éducateurs spé- cialisés (CREAI) - Ecole de formation d'éducateurs spé- cialisés et insti- tut d'études médico-pédagogiques de 1 inadaptation (Specialized edu- cationalists - CREAI; Training college for spe- cialized educa- tionalists and institute for medico-pedagogical studies of malad- justed children)	8.11. Instituts de formation de conseiller d'orientation scolaire et professionnelle (Training institutes for school and vocational guidance counsellors)



ication	Years of Stúdy	(8)					10-11
O.E.C.D. Classification	Type of Education	(1)	Higher university		Higher university	Higher university	rechnical secondary (b)
	Other Information	(9)	These centers give, in particular, pedagogical training.		Training includes a 1st year in a CREPS or a regional institute and three years in ENSEPS. In order to become a teacher of physical education and sport in 2nd cycle secondary schools, candidates are required to have a complete training in sport and physical education.		For men, the 1st year of training takes place in the CREPS of Houlgate and the 2nd year in INS. For women, the two years of training are spent in Chatel-Guyon.
	Full/ Part Time	(5)	Full time		Full time	Full time	Full time
	Certificate	(4)	Title of certifi- cated teacher			Proficiency certificate for teachers of physical education and sport	Title of qualified teachers of physi- cal education and sport
41 F	Requirements	(3)	Teacher's certificate corresponding to subject proposed to teach		"Baccalauréat" and entry competition		верс
Length of	Study (in years)	(2)	~		~	W	N
7.000	iype vi coucation or institution	(3)	8.12. Centres pédagogiques régionaux (pour professeurs des disciplines artistiques et spéciales) (Regional pedagogic centers for teachers of artistic and special subjects)	8.13. Education physique (Physical education)	B.13.1. Centres régionaux d'éduca- tion physique et sportive (CRBFS) ou Instituts ré- gionaux d'éduca- tion physique et sportive (Regional centres of physi- cal shucation and sport - CRBFS - or regional institutes of physical educa- tion and sport)	8.13.2. Ecole normale superieure d'éducation physique et sportive (ENSEPS) (Higher training institutes of physical education and sport - ENSEPS)	8.13.3. Institut national des sports (INS) (National insti- tute of sport)

fication	Years of	(8)										
0.E.C.O. Classification	Type of	(3)										Higher university
	Other Information	(9)		There are state universities and private universities known as "facultés libres" (mostly Catholic faculties). The latter constitute but a small part of the system of university education.	The universities which include a large number of specialized institutes were divided into faculties before 1968 Reform. There are, in	General, inve specialized iaculties, the faculties of Medicine and Pharmacy often forming one mixed faculty. It must also be noted that there are training centres of university level for major public services. These	main, for top level civil servants. Since 1968 the "units" of education and research (UER) created by the	"loi d'orientation" in higher educa- tion have replaced the traditional faculties, and cover all university activities. Thirteen universities	have been created in the Paris region, each one comprising UER's with a common im and interest.			The 1st year of studies known as the "preparatory year" leading to the degree (licence). One of the four certificates which appear opposite is awarded at the end of this year.
	Full/ Part Time	(2)										
	Certificate	(1)								,		MGP = general maths and physics MPC = mathematics, physics and chem- istry SPCH = physical, shell and nat- ural sciences
Entrance	Requirements	(3)										"Baccalauréat" (preferably ele- mentary mathema- tics type) or spe- cial examination for students with- out "baccalauréat"
Length of	Study (in years)	(2)										7-
Type of Education	or Institution	(1)	University type education or equivalent	9. Universités (Universities)						A) System before the "loi glorien-tation" (1968 reform law).	1. Faculté des sciences (Faculty of science)	1.1. Propédeutique (Preparatory year)



ification	Years of	( e)										
O.E.C.D. Classification	Type of	0		1st degree				Post- graduate	Post- graduate	Fost- graduate	Fost- graduate	
	Other Information	(9)		First degrees are conferred on students who hold five certificates of higher studies (CES) in addition to preparatory year. Each CES corresponds to a specific syllabus of subjects. There are two categories of 1st degrees:	There are the teaching degrees for which there is a sc. choice of certificates.	There are general degrees which may include more than five certificates (CES) of the candidate's own choice.		This course follows the 1st degree course and must be completed by students wishing to prepare the "agregation" or the State doctorate. There are three categories of DES: mathematics, physical and natural sciences.	T'ss is a short specialization cycle, including publication and defence of a memoir,	This includes the publishing and de- fence of two theses on applied science	This is a research cycle, and candidates are required to present a thesis.	
	Part Time	(5)				.,				5,4		
	Certificale	(4)	PCB = physics, chemistry, biology	1st degree (licence)				DES (diploma of higher studies)	University doctorate	Diploma of doctor of engineering	3rd cycle doctorate	
Entrance	Requirements	(3)		Preparatory (WGP, NPC, SPCN, PCB)				1st degree	1st degree	Engineering diplo- ma and three CES	1st degree	
Length of	Study (in years)	(3)		W						8	2 or more	
Type of Education	or Institution	(3)		1.2. Enseignement menant à la licence (Studies leading to a 1st degree - licenco)			1.3. Enseignement au-delà de la licence (Post- graduate studies)	1,3,1, Diplôme d'études supé- rieures(Diploma of higher studies)	1.7.2. Doctorat d'université (University doctorate)	1.3.3. Diplôme de docteur-ingénieur (Doctorate in engineering)	1.3.4. Doctorat de Jème cycle (3rd cycle doctorate)	



O.E.C.O. Classification	Type of Years of Education Study		Post- graduate		Higher university		1st degree	
:	Other Information	(9)	This is the highest academic award and preparation for it takes several years and includes the preparation and defence of two theses: one main thesis on a subject approved by the faculty board and a complementary thesis which is a short memoir on a theme proposed by the faculty.	This is a high level competitive examination which was originally designed for the recruitment of secondary teachers. It is becoming more and more common now, however for holders of the "agrégation" to enter other fields of education (higher education research, etc.).		The 1st year of the course is known as the "preparatory year", Candidates can choose either the classics or modern section	The 1st degree is conferred on holders of four certificates of higher studies (CES) including an oral examination in a modern foreign language.  The following types of degrees may be distinguished: teaching degrees; general degrees (made up of four CES of candidate's own choice) and four conher types of degrees composed of compulsory CES.	
i	Full/ Part Time	(5)			<u>.</u>		<u> </u>	
	Certificate	(4)	State doctorate	"Agrégé de 1'université"		CELG = Certificate of general liter- ary studies	1st degree	
Entrance	Requirements	(3)	D <b>BS</b>	DES (diploma of higher studies)		All types of "baccalauréat" or special examina-tion for students without "baccalauréat"	CBLG	
Length of	(in years)	6	Unde- ter- mined	Unde- ter- mined		4-	N	
Type of Education	or Institution	(3)	1.3.5. Doctorat d'Etat (State doctorate)	1.3.6. "Agréga- tion"	2. Faculté des lettres (Arts faculty)	2,1. Propédeutique (Preparatory year)	2.2. Enseignement menant à la licence (Courses leading to the 1st degree)	2.3. Enseignement au-delà de la licence (Post- graduate courses)

fine degrees are the same as science degrees and exist in the following modern languages and foreign literature, history, geography, modern are subjects, at and archaeology.  Same as science faculty  This doctorate may constitute the 1st graduate from the subjects, at and archaeology.  This doctorate may constitute the 1st graduate the step towards a State doctorate with the step towards a State doctorate.  This doctorate may constitute the 1st graduate the step towards a State doctorate with the step towards as the doctorate of the step towards and step towards as the doctorate of the step towards and step towards as the doctorate.  These doctorates in stience faculty of the step toward of state doctorate to take as long as 10 years.  These as doctorates in science faculty of s-ience (1.3.6.)  This is a special cycle for students without "baccalauráat". The course long as 10 years and of each year and each without "baccalauráat". The course lincludes theoretical instruction plus preciped tasses. Examinations are haid at the end of each year.  This is a special cycle for students without "baccalauráat". The course didatas must pass these before going on to the following year.	_
These degrees are the same as science degrees and exist in the following subjects: philosophy, classics, modern languages and foreign literature, history, geography, modern arts subjects, art and archaeology.  Same as science faculty  This doctorate may constitute the 1st step towards a State doctorate with the possibility of the 3rd cycle thesis being accepted as the complementary thesis of the State doctorate. Graduates may enrol in this cycle and prepare a thesis within two years.  These doctorates have same characteristics as doctorates in science faculty. These and it is quite common for preparation of State doctorate to take as long as 10 years.  This is a special cycle for students without "baccalauréat". The course includes theoretical instruction plus previous classes. Examinations are held at the end of each year and candidates must pass these before going on to the following year.	(in years) Requirements   Certificate
These degrees are the same as science degrees and exist in the following subjects; philosophy, classics, modern languages and foreign literature, history, geography, modern arts subjects, art and archaeology.  Same as science faculty  This doctorate may constitute the 1st step towards a State doctorate with the possibility of the 3rd cycle mentary thesis of the State doctorate. Graduates may enrol in this cycle and prepare a thesis within two years.  These doctorates have same characteristics as doctorates the defence for two theses and it is quite common for preparation of State doctorate to take as long as 10 years.  This is a special cycle for students without "baccalauréat". The course includes theoretical instruction plus practical classes. Examinations are held at the end of each year and candidates must pass these before going on to the following year.	(5)
Same as science faculty  This doctorate may constitute the 1st step towards a State doctorate with the possibility of the 3rd cycle the possibility of the 3rd cycle the possibility of the 3rd cycle mentary thesis of the State doctorate. Graduates may enrol in this cycle and prepare a thesis within two years.  These doctorates have same characteristics as doctorates in science faculty. It requires the defence of two theses and it is quite common for preparation of State doctorate to take as long as 10 years.  See faculty of science (1.3.6.)  This is a special cycle for students without "baccalauréat". The course includes theoretical instruction plus practical classes. Examinations are didates must pass these before going on to the following year.	1st degree DES
This doctorate may constitute the 1st step towards a State doctorate with the possibility of the 3rd cycle the possibility of the 3rd cycle thesis being accepted as the complementary thesis of the State doctorate. Graduates may enrol in this cycle and prepare a thesis within two years.  These doctorates have same characteristics as doctorates in science of two theses and it is quate common for preparation of State doctorate to take as long as 10 years.  See faculty of science (1.3.6.)  This is a special cycle for students without "baccalauréat". The course includes theoretical instruction plus practical classes. Examinations are held at the end of each year and candidates must pass these before going on to the following year.	University doctorate
These doctorates have same characteristics as doctorates in science faculty. It requires the defence of two theses and it is quate common for preparation of State doctorate to take as long as 10 years. See faculty of science (1.3.6.)  This is a special cycle for students without "baccalauréat". The course includes theoretical instruction plus practical classes. Examinations are held at the end of each year and candidates must pass these before going on to the following year.	1st degree 3rd cycle doctorate
long as 10 years. See faculty of science (1.3.6.)  This is a special cycle for students without "baccalauréat". The course includes theoretical instruction plus practical classes. Examinations are held at the end of each year and candidates must pass these before going on to the following year.	Unde- 1st degree State doctorate
This is a special cycle for students without "baccalauréat", The course includes theoretical instruction plus practical classes, Examinations are held at the end of each year and candidates must pass these before going on to the following year,	Unde- DES "Agrégé d'université"
This is a special cycle for students Without "baccalauréat", The course includes theoretical instruction plus practical classes, Examinations are held at the end of each year and candidates must pass these before going on to the following year.	
	No certificate "Capacité" (proficiency certificate) in law



ication	Years of Study	(8)				
O.E.C.O. Classification	Type of Education	(3)	Higher university 1st degree		Post- graduate	Post- graduate
	Other Information	(9)	The course leading to a 1st degree in law and economics has been the object of successive reforms over the period 1954-1960. The outcome of these reforms in 1960 was the distinction made between the law course and the economics course and the extension of both courses by one year.  In 1st year there is a common course of subjects of particular interest to intending jurists and intending economists.  In the 2nd year and 3rd year, students leefin to pursue more specialized subjects, according to the type of degree in view. The 4th year of studies is devoted to three basic subjects. The course includes theoretical instruction which takes the form of lectures and compulsory practical classes. In addition to this, students in economics are required to attend a weekly session of practical classes in mathematics and statistics.  Examinations are annual and are held over two sessions.		The DES course takes place after the 1st degree (licence). There are six types.	The decree drawn up on 15th June, 1959 includes the following six subjects:  - history of law and social history - private law - criminology - common law - political science - economic science
	Full/ Part Time	(5)				
	Certificate	(4)	section attended	_	Diploma of higher studies (DES)	State doctorate in law
Foltzane	Requirements	(3)	All types of "beccalauréat" or special examina-tion for non-baccalaureate holders		1st degree	Sad
Length of	Study (in years)	(2)	7		~	~
Toolson Toolson	lype of coucation or institution	(1)	3.2. Enseignement menant à la licence (Course leading to a 1st degree)	3.3. Enseignement au-delà de la licence (Post- graduate courses)	3.3.1. Diplôme d'études supér- leures (DES) (Diploma of higher studies)	3.3.2. Doctorat d'Etat (State doctorate)



Length of	Entrance	Certification	Full	Other Information	0.E.C.D. Classification	ication
Requirements	د	-	Part Time	Utaer Intornation	Type of Education	Years of Study
3)		(4)	(5)	(6)	(i)	(8)
			<u> </u>	The doctorate consists of the defence of a thesis. The subject chosen by the candidate must be recognised by the professor who supervises the thesis and approved of by the dean.		
Varia- State doctorate "Agrégé and eco science science	Agrégind ecciond eccion	"Agrégé" in law and economic science		Holders of a State doctorate car prepare the competitive examination of the "agrégation". This competitive examination, held every two years according to specialist subject, demands several years of preparation and entitles successful candidates to teach in the faculties of law and economics. The standard of the doctoral thesis is taken into consideration when candidates enrol for the competitive examination.	1	
			<del>-</del>			
					Higher university	
"Baccalauréat"  (preferably science cal ce type) or special (CPEM) entrance examination for students without "baccalauréat"	repar al ce CPEM)	Preparatory medical certificate (CPEM)	다 가다	The CPEM is awarded at the end of the year. Courses are held in the Faculty of Science.		
CPEM State docto	rate n mede	State doctorate in medicine	<u> </u>	The course includes: theoretical instruction (courses and lectures held in faculty), practical instruction (practical work carried out in laboralinical work done in hospitals. From 1st year in medicine students complete a certain number of compultal units of a university hospital centre (CHU). In the 5th year students participate in the consulting dents participate in the consulting and complete a minimum six months period of	1st degree	



	Length of					O.E.C.D. Classification
Type of Education or Institution	Study (in years)	cntdnee Requirements	Certificate	Full/ Part Time	Other Information	Type of Years of
(1)	(2)	(3)	(4)	(5)	(9)	
					practical training in a hospital service. The main part of the 6th year is devoted to practical periods of training for whose who are neither interns nor externs (students who have not passed the exam of "internat" or "externat") and hospital consultations for the others. The degree of doctor of medicine is conferred on candidates who have passed the annual examinations and the three clinical examinations and the three clinical examinations and who have defended a thesis, presented in memoir form, before a board of examiners. Specialized studies of variable duration can be undertaken in the faculties generally from 5th year of medicine onwards.	
4.1.3. "Agrégation"	Varia- ble	State doctorate	"Agrégé" of fac- ulty of medicine and pharmacy		Successful "agrégation" candidates may teach in the faculties of medicine and pharmacy (see also 3.3.3.).	1
4.2. Pharmacie (Pharmacy)						Higher university
- 1st cycle	7-	"Baccalauréat" or special exam for students without "baccalauréat"			This is a preparatory cycle.	
- 2nd cycle	7		Pharmacist		This cycle covers three years of general trining and one year of specialization. The course includes theoretical, practical and supervised instruction.	1st degree
					In addition to this students complete: two 3 month periods of training in a laboratory; the 1st may be subdivided into several minimum one month periods but must be completed by the end of the 2nd year and before 3rd year, the 2nd training period must be completed in the course of the 5th year, An each of the 1st four years. The pharmacy degree is conferred on stu- dents who by the end of the 5th year have passed the training course exam- ination and have obtained two specia- list certificates.	

cation	Years of	<b>(8)</b>						
O.E.C.O. Classification	Type of Education	(2)	Higher university		1st degree		Higher university	Intermediate ate diploma
	Uther Information	(9)		This year of study includes the sub- jects of the preparatory medical stu- dies certificate added to which there are special dental studies subjects.	The diploma in dental surgery is conferred on students who have passed the five final year examinations.		Studies can be divided into three cycles:	1st cycle giving a basic training of 2 years at end of which a degree in scientific studies (DUES) is granted with mention of specific section attended. Students admitted to DUES course or who have an equivalent qualification are notified by a jury advising them to take either a "maîtrise" or a "lieeme" or a university diploma in technology.
	Part Time	(5)						
	Certificate	(4)		Preparatory year certificate	State diploma in dental surgery		_	University dip- loma in scientific studies (DUES) Maths-Physics; Physics-Chemistry; Chemistry-Biology; Biology-Geology.
Entrance	Requirements	(3)		"Baccalauréat" (preferably exper- imental science or elementary mathe- matics) or en- trance examination for students with- out "baccalauréat"	Preparatory year certificate			"Baccalauréat" C, D, D' and E or on personal decision of dean (after consultation of school record) for those with "Bacca- lauréat" A or B and for candidates with equivalent French or foreign certificates. In latter cases, the dean decides sec- tion in which stu- dent will enrol.
Length of	Study (in years)	(2)		-	7	,		N
Type of Education	or Institution	(£)	5. Enseignement de chirurgie dentaire (Dental surgery course)	5.1. Année prépara- toire (Preparatory year)	5.2. Enseignement menant au diplôme d'Etat (Course leading to State diploma)	B) System after introduction of "loi d'orientation"	I. UER sciences	I.1. 1st cycle

Type of Education or Institution	Length of Study	Entrance Requirements	Certificate	Full/	Other Information	U E.C.U. Classification Type of Year	Years of
(1)	(in years)	(£)	(5)	(5)	(9)	Education (3)	Study (8)
I.2. 2nd cycle	-	DUES or equivalent French or foreign qualification	"Licence" (teaching degree)		The 2nd cycle gives a more intensified training at end of which a teaching diploma (licence-1 year) is awarded or	1st degree	
	N	DUES or equivalent French or foreign qualification	"Naitrise" (Post-graduate diploma) in research in teaching		a "maitrise" which includes jour certificates and is prepared over 2 years. The "licenciés" can continue their studies for the "maîtrise" in which case they are exempted from one of the certificates and, with the dean's perentision, can present the other three	Post- graduate	
				- 9	together. Holders of the "maîtrise" certificates can obtain the equivalent of a teaching degree after a complementary examination.		
					The 1st and 2nd cycles include theoretical instruction, supervised instruction and practical classes. Theoretical instruction is given in the form of lectures. Supervised work consists of revision and explanatory		
					exercises, training students to work on their own. Practical instruction includes, depending on the subjects, question tests together with an expla-		
					nation on the course, practical exercises, experiments or field work. Attendance is compulsory except when permission to the contrary is granted that the contrary is granted.		,
					by the dean and ho one is allowed to take the examinations unless they have attended supervised and practical classes regularly or have been' exempted from same.		
I.3. 3rd cycle					The aim of the 3rd specialization cycle is to give students a more thorough knowledge of a particular subject and to introduce them to contempory scientific techniques and research. The certificates awarded in the course of the 3rd cycle are the	Post- graduate	
I.3.1. Diplôme d'études supér- ieures (Diploma of higher studies)	7-	On examination of candidate's dos- sier, dean's per- sonal decision	DES (Diploma of higher studies)		diploma of higher studies (DES) for which no specific qualification is required except when the diploma exam has been taken with a view to the "agrégation" in which case the title "licenciate" is required. This diploma requires 1 year's	Post- graduate	



preparation and the presentation of a memoir.  the diploma of intensified studies (DEA) - preparation includes theoretical courses ending with an attestation of intensified studies (AEA) and introduction to research. The DEA is awarded to holders of the AEA who have presented a memoir.  the 3rd cycle specialized doctorate - preparation of which requires a minimum of 1 year after the DEA.  The student is required to present a thesis.  the doctorate in engineering - The aim of this doctorate is to favour research in the application of science. A minimum of 2 years study and research in a science laboratory followed by presentation and defence of a thesis is required.
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이전 작물꾼 호뉴
The State doctorate - This degree is awarded after a minimum of 4 years work and research and after the presentation and defence of a main thesis on a subject approved by the faculty which constitutes an original contribution to research and a shorter complementary thesis on a subject proposed by the faculty. The latter was abolished in 1969. The latter was abolished in 1969, university award and enables holders to appear on the university teaching staff recruitment list.

	100					0.E.C.J. Classification	cation
Type of Education or Institution	Study (in years)	Entrance Requirements	Certificate	Full/ Part Time	Other Information	Type of Education	Years of Study
(1)	(2)	(3)	(4)	(2)	(9)	ω	(8)
1.3.6. Doctorat d'université (University doctorate)	- r <sub>2</sub>	"Licence" (1st university degree) or a curriculum vitae	University doctorate		The University doctorate - This requires presentation of a thesis on personal research, but does not include any teaching qualification.  Preparation of the doctorate is generally of particular interest to foreigners.	Post- graduate	
I.3.7. "Agrégation"	Varia-		University "agrégé"		High-level competitive examinations for recruitment of 2nd cycle secondary teachers - see 1.3.6.	ı	
II. UER Lettres et sciences humaines (Arts and human sciences)					Studies are divided into 3 cycles:	Higher university	
II.1. 1st cycle	N	All types of "Baccalauréat" or French or foreign certificate con- sidered as equiva- lent or giving ex- emption, and, in certain circum- stances, holders of technician's "baccalauréat"	University dip- loma of literary studies (DUEL)	<del></del>	1st cycle - introduction including 2 Fears of study devoted to acquisition of basic knowledge in branch of study chosen by student, and known as dominant subject (or major) and complementary courses in secondary subjects (or minor). The 1st cycle includes several sections: classical arts subjects, modern arts subjects, modern foreign languages, history, history of art and archaeology, geography, philossophy, psychology, sociology.	Intermediate ate	
II.2. 2nd cycle	-	DUEL or at least 4/5 of the credits (unités de valeur - UV) required for the DUEL for the preparation of a "Licence" and 2/3 of the UV or certificates required for the licence after the DUEL for the preparation of a "maîtrise"	Licence (1st degree)		A 2nd cycle of more intensified train- ing at the end of which a  - "Licence" (1st degree) is awarded requiring 1-year's preparation and consists of two certificates, either a "licence" certificate and "maîtrise" certificate or two "maîtrise" certificates. There are two types of "licence": the "licence d'enseignement" (teaching degrees) where the choice of certificates is fixed and the "licences libres" (gen- eral degrees) where candidates can pre- pre a certificates of their own choice. Or. a	1st degree	
	8		Maîtrise (Post- graduate diploma)		- "Maitrise" requiring 2 years preparation consisting of either two "maitrise" certificates and a memoir or	Post- graduate	



Type of Education	Length of	Entrance				O.E.C.D. Classification	ation
or Institution	Study (in years)	Requirements	Certificate	rui/ Part Time	Other Information	Type of	Years of
(3)	3	(3)	(5)	(2)	(9)	(2)	(8)
		•			four "maîtrise" cartificates. Three types of "maîtrise" can be distinguished, viz. "maîtrises d'enseignements" (post-graduate teaching diplomas) which require 1 or 2 years preparation affer the licence and include an additional certificate and a memoir, "maîtrises" in experimental disciplines requiring four certificates and specialized "maîtrises" consisting of two certificates and a memoir.  Holders of a "licence" can prepare a "maîtrise" in 1 year. They are required to present a 2nd "maîtrise"		
II.3. 3rd cycle				×	Aim of 3rd cycle is to give students a more thorough knowledge in a special field of study and to train them for research work,		
II.3.1. Doctorat de Jème cycle (3rd cycle doctorate)	N	"Maltrise" (post- graduate diploma)	3rd cycle doctorate			Post- graduate	
II.3.2. Doctorat d'université (University doctorate)	a or a sore	"Licence" (1st degree) or curri- culum vitae	University doctorate	THE PART OF CALL		Post~ graduate	

	Years of Study	(8)					
O.E.C.D. Classification	Type of Ye	_	Post- graduate	i	<u> </u>	Higher university	1st degree
	Other Information	(9)	Studies of 3rd cycle can also lead to a State doctorate. In order . obtain this title, students must preduct at thesis or papers of a high quanity on original work and that they possess the required knowledge. A state doctorate often requires a very long period of preparation (on average 10 years) but measures are being taken to reduce this to 5 or 6 years. This is the highest university award and allows candidates to appear on the university teaching staff recruitment list.	See 1,3,6.		This institute forms part of University of Paris I and provides a comprehensive syllabus. There was formerly a lst cycle which was dropped after the mew reform law ("loi d'orientation") was introduced. The institute is however entitled to award lst cycle credits which are recognized in the research and education centres of the universities of Paris for the award of their own diplomas.	End cycle includes firstly the study of basic concepts, followed by study of general categories of analysis of the main subjects (economy, sociology, mathematics and statistics, economics of education, health and food).
	Full/ Part Time	(5)					
	Certificate	(4)	State doctorate	University "agrégé"			diploma
Fotonro	Requirements	(3)	"Maitrise" (post-graduate diploma) or equivalent foreign qualification				Certificate of general studies in economy (DEEG) crulorsity diploma in literary studies (DUEL) or university diploma in scientific studies or equivalent qualifications plus test of academic achievement and aptitude set by a board of examiners to which all candidates are subjected.
Length of	Study (in years)	(2)	Varia- ble	Varia- ble			N
	Type of Education or Institution	(1)	II.3.3. Doctorat d'Etat (Scatc doctorate)	II.3.4."Agrégation"	II.4. Instituts spécialisés (Specialized Institutes)	II.4.1. Institut d'études du dével- oppement économique et social (UER - IEDES) (Institute of Studies of Eco- nomic and Social Development)	- 2nd cycle



fication	Years of Study	(8)			
O.E.C.D. Classification	Type of Education	ε	Post- graduate	Higher university Post- graduate	Higher non- university
	Other Information	(9)	3rd cycle work takes the form of tutorials and work groups providing an introduction to working out of development policies and to practical aspects of research. Seven main options can be distinguished. Students are required to complete a period of training within a State or privately owned organisation which is either of national or international status in order to study development problems.	In general, diplomas in demography can also be prepared in university institutes or interfaculty centres and certificates are delivered by the corresponding faculties of law and economic science. Up to now however only the Paris institute of Demography (IDUF Paris Institute of Demography and the Bordeaux University institute of demography) and the Bordeaux University institute of demography and institute of demographic studies (IEDUB) have delivered these diplomas.  The Paris Institute of demography has risen to the status of an UER as a result of the new reform law "loi d'orientation" and is part of University of Paris I. As from 1970 it has become possible to run a specialist subject.	Holders of this proficiency certificate with an average of 12/20 can enrol in 1st year of law course.
	Full/ Part Time	(5)			
	Certificate	(4)	3rd cycle diploma	Diploma in general demography Demographic ex- pert's diploma	"Capacité" (Pro- ficiency certifi- cate) in law
Entrance	Requirements	(3)	IEDES 2nd cycle diploma or 1st degree or diploma from one of the grandes écoles" plus test of academic achievement and aptitude set by a board of examiners	1st degree or diploma from a "grande école"	No diploma required
Length of	Study (in years)	(2)	N		N
Tope of Education	or Institution	(3)	- 3rd cycle	II.4.2. Institut de démographie (Institute of demography)	III. UER - Droit et sciences économiques (Law and economics) III.1. Droit (Law) III.1.1. Enseignement menant au diplâme de capacité (Instruction leadling to proficiency certificate)

ication	Years of Study	(8)								
O.E.C.D. Classification	Type of	(1)	Higher university	Intermedi- ate diploma	1st degree		Post- graduate	Post- graduate		Higher university
	Other Information	(9)		Instruction is theoretical and practical and is supervised by university teachers and "agrégés".  At the end of each year there are examinations to be passed before enrolment in following year. DEJG studies correspond to the 1st cycle in arts or science faculties and "licence" to the 2nd cycle.				Holders of the DES can present a thesis in order to obtain the Doctorate ate, but the Doctorate, in itself, does not constitute a university teaching qualification. Only doctors in law who have passed the "agrégation" (high level competitive examination comparable to State doctorates of Arts and Science (aculties) can dothis.		Organisation of courses is same as for law courses (see III.1.2. and III.1.3.).
	Full/ Part Time	(5)								
	Certificate	(4)		Diploma of general legal studies (DEJG)	"Lisence" 1st degree		DES (diploma of higher studies)	State doctorate		
Entrance	Requirements	(3)		"Baccalauréat" or equivalent certi- ficates including the proficiency certificate ("capacité") with an average mark of	DEJG		Licence	DES		
Length of	Study (in years)	(2)		N	N		<del></del>	<i>t-</i>		
Type of Edination	or Institution	(3)	III.1.2. Exseignement menent & la licence (Instruction leading to 1st degres)	- DEJG	- Licence (1st degree)	<pre>III.1.3. Enseigne- ment de doctorat (Doctorate)</pre>	- DES	- Doctorat (Doctorate)	III.2. Sciences économiques (Economics)	III.2.1. Enseignement ment menant à la licence (Instruction leading to 1st degree)



sification	Years of Study			c)			_		<del>-</del>	
O.E.C.D. Classification	Type of Education	ε	Intermedi- ate diploma	1st degree		Post- graduate	Post- graduate	Higher university	Intermedi- ate diploma	1st degree
	Other Information	(9)		Certain diplomas give access to 3rd year of studies after a special examination.					Courses in medicine are given in university hospital centres (CHU). There are three sections (4, B, C), all of which lead to the degree of doctor of medicine. Section C is blased in favour of studies and research in human biology.  Courses are given for 40 weeks of the vear. Attendance at courses often	assessed in the form of "unités de valeur" (credits) is compulsory. A total of credits is reached each year At the end of the 1st cycle and during the 3rd, 4th and 5th year, students must undertake hospital duties. They do their work under the guidance of the medical staff und the surveillance of the resident student. In 4th and 5th year they are paid for this work. The degree is conferred after 7 years of studies, the last year taking the form of a practical period of training. Complementary studies of variable duration are necessary for special fields of study, e.g., gynecology, cardiology,
	Full/ Part Time	(5)								
	Certificate	(3)	Diploma of general economic studies (DEEG)	"Licence" (1st degree)		Diploma of higher studies	State doctorate		1st cycle diploma	Degree of doctor of medicine
50153175	Requirements	(3)	"Baccalauréat" or equivalent certificate	DEEG		Licence	DES		Admission to different sections depends on type of "baccalauréat". Enrolment in any section other than that specified is subject to examination	1st cycle diploma
Length of	Study (in years)	છ	2	N		<b>,-</b>	τ-		N	ın
T. C.	lype o, Education or Institution	(1)	- DEEG	Licence (1st degree)	III.2.2. Enseignement ment menant au doctorat (Course leading to doctorate)	- DES	- Doctorat (Doctorate)	IV. UER Médecine (Medicine)	IV.1 1st cycle	IV.2. 2nd cycle



fication	Years of Study	(S)						
O.E.C.D. Classification	Type of Education	(2)		Post- graduate	Post- graduate	Higher university	Intermedi- ate diploma	1st degree
	Other Information	(2)	Couses in human biology constitute a special field of study reserved for doctors of medicine in Section C who can obtain this degree after preparing three certificates in human biology.	The diploma in studies and research in human biology is awarded to candidates who hold a "maitrise" in human biology and who have passed an examination of extensive studies or to holders of an equivalent qualification together with presentation of a memoir on completion of a training period of at least 2 years in a laboratory.	In order to obtain this doctorate a thesis must be presented and defended		1st cycle same as for general medicine course (see IV.).	In order to obtain a State diploma in dental surgery, students are required to follow a 3-year training course in a national school of dentistry within a university hospital centre (CHU) or in a private establishment, on completion of 1st cycle.
	Full/ Part Time	(5)						
	Cerdificate	(4)	"Maîtrise" in human biology. Degree is confer- red on doctors of medicine and is not comparable to other types of "maîtrise".	Diploma in studies and research in human biology	Doctorate in studies and research in human biology		1st cycle diploma	State diploma in dental surgery
Entrance	Requirements	(3)	Degree of doctor of medicine	"Maîtrise" in human biology	Diploma in studies and research in human biology		Admission to dif- ferent sections depends on type of "baccalauréat" held, and enrol- ment in any sec- tion other than that specified is subject to examination	1st cycle diploma
Length of	Study (in years)	(2)		N	Varia- ble		N	W
Type of Education	or Institution	(1)		IV.3. 3rd cycle		V. UER Chirurgie dentaire (Dentai surgery)	V.1. 1st cycle	V.2. 2nd cycle



O.E.C.D. Classification	Type of Years of		Post- graduate	her rsity	ogree -	Post- aduate	ssf ty
0.E.C	Typ		Po grad	Higher university		Post- graduate	Migher university
	Uther intormation	(9)	The doctorate leads to research and to teaching profession.		After end of 1st year of course students are required to undergo a six weeks training period. The training period must take place outside the university year in an approved laboratory. Three options: laboratory work, industry and blology. Complementary studies of variable duration are necessary for certain particular activities (analysis laboratories, research, etc.).	Presentation of a thesis in addition to certificates of higher studies is required.	This category of schools covers a great variety of institutions which award engineer's diplomas of different market values. There exists a hierarchy among these schools based on the quality of selection in the recruitment of students and the type and stundard of courses given: certain of Arts and Manufacturing, Central School of Arts and Manufacturing, etc.) recruit students by a competitive entrance examination which demands 2 years of preparation after the "baccalauréat", whereas other schools recruit at a lower level. The length of the period of studies which varies from one school to another often depends on the level of entrance requirements.  Courses generally last 3 years in schools which arts 4 years spent in preparation and 4 or 5 years in other examinations.
/III3	Part Time	(2)			_	_	time time
	Certificate	(4)	State doctorate in dental surgery		State diploma in pharmacy with men- tion of one of options	State doctorate	Engineer's diploma with mention of name of school
Entrance	Requirements	(3)	State diploma in dental surgery or doctorate in medicine		"Baccalauréat"	State diploma in pharmacy	"Baccalauréat" with specific type mentioned: in some cases 2 years of preparation re- quired and pass in competitive en- trance examination
Length of	(in years)	8	α		ľ	3 and more	Varia- ble depend- ing on school
Type of Education	or Institution	(3)	V.3. 3rd cycle	VI. UER Pharmacie (Pharmacy)	VI.1. Diplôme de pharmacien .(Diploma)	VI.2. Doctorat (Doctorate)	10. Ecoles d'ingénleurs (Schools of enginering) - General training - Agriculture - Food science - Wood - Ceramics - Chemistry - Leather and hides - Inques - Hydraulics - H



Type of Education	Length of	Entrance		) (III)	217	O.E.C.D. Classification	ication
or Institution	Study (in years)	Requirements	Certificate	Part Time	utner intormation	Type of Education	Years of Study
3	(3)	(3)	(4)	(9)	(9)	(3)	(8)
Nuclear science and techniques Computer studies Applied mathematics motors moto					The conception of education and training of students is different from university training. Instruction is based on a general education adapted to specific ends and alming at a certain degree of specialisation.  Some schools of engineering are administered by the Ministry of National Education or another ministry. Others are run privately.  Some schools of engineering also give preparation for higher technical diplomas of non-university level.		
Ecoles" (Specialised institutes of higher education) other than engineering schools				Full time	Unlike the engineering schools diplomas, there is no official list of diplomas recognized by the State for the schools mentioned opposite. Consequently the decision to classify them as "Grandes Ecoles" is, even according to the Ministry of National Education Statistics Services where the list is compiled, open to question and this incomplete list is subject to alteration.  These schools are run either by the Ministry of National Education or by other ministries or are private establishments.		



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5	Years of Study	(8)					
O.E.C.D. Classiffcation	Type of Y			Higher university	Higher university	Higher non- university	Higher non- university
	Other Information	(9)		Preparation for the competitive exam- lnation takes 1, or more often 2 years. Foreign students may be ad- mitted either under the same condi- tions as French students, in which state doctor of veterinary medicine at the end of the course or on the strength of their qualifications whereupon they prepare a university doctorate in veterinary medicine. Various specialist subjects can be studied after obtaining the diploma.	Students can enter 2nd year on the strength of their qualifications and graduates can enrol for the theoretical examination of the 2nd cycle secondary teacher's proficiency certificate in agriculture and thereafter prepare the practical examination of the CAPLA in 1 year.	The 3rd year is devoted to professional training leading to the practical examination of teaching proficiency certificate for teaching in agricultural colleges and schools or yocational courses in agricultural courses in agriculture (CAPCA).	Various specialist courses exist.
	rull/ Part Time	(2)		Full time	Full	Full time	time
	Certificate	(4)		State doctor of veterinary medicine	Engineer's diploma	After 2 years: Diploma in agronomy	Higher agricultural technician's diploma or diploma of school
Entrance	Requirements	(3)		Competitive examination open to holders of "baccalauréat" or engineer's diploma in agronomy	Competitive examination open to holders of "baccalauréat" C, D, D', E.	Competitive examination open to holders of the "baccalauréat" or agricultural technician's certificate	Competitive examination open to holders of the "baccalauréat" or agricultural technician's certificate
Length of	Study (in years)	(3)		4.	7	м	0
Type of Education	or Institution	(1)	11.1. Agriculture	11.1.1. Ecoles nationales vétéri- naires (National schools of veterin- ary medicine)	11.1.2. Ecoles supérieures fémi- nines agricoles (Agricultural colleges for women)		

Twe of Education	Length of	Entrance		i ii		O.E.C.D. Classification	cation
_	Study (in years)	Requirements	Certificate	Part Time	Other Information	Type of Education	Years of Study
	(2)	(3)	(4)	(2)	(6)	(1)	(8)
	w ,	"Baccalauréat" or agricultural tech- nician's certifi- cate or equivalent qualifications	After 2 years: university diploma of higher studies	Full time	Formerly, Agricultural Institute of Lille, the Institute became a UER in 1969. The aim of the course is to train top level agriculturalists equipped to manage all agricultural activities of their region. A 4th and 5th year of studies are being considered with a view to preparing a diploma in engineering.	Higher university	
	11 months	University diploma in agriculture or sylviculture	Diploma	=	This institute is part of the International centre of higher studies in mediterranean agronomy. There is a similar institute at Bari in Italy. Courses are of post-graduate level.	Higher university (post- graduate)	
	,	Doctor of veterinary medicine or engineer in agronomy	Diploma ofe Institute	=	Post-graduate level specialized education.	Higher university (post- graduate)	
				=	Includes several courses:	Higher university	
	6 8	"Baccalauréat" or equivalent certi- ficates for enrol- ment in prepara- tory class. After 2-3 years in pre- paratory class candidates must sit a highly com- petitive	Title of qualified architect confer- red by government (DPLG)	=	The course is divided into a preparatory class of 2-3 years, a 2nd class of 3 years and a 1st class of 2-3 years. Instruction includes onclasses and practical classes which take place in ateliers under guidance of lecturers and assistants.		



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	Length of	o de constante				O.E.C.O. Classification	cation
lype of Education or Institution	Study (in years)	Requirements	Certificate	Full/ Part Time	Other Information	Type of Education	Years of Study
(1)	(2)	(3)	(4)	(5)	(9)	(2)	<u>@</u>
		examination before going into 2nd class					
- Peinture, gravure, sculpture (Painting, engraving sculpture)	Varia- ble	"Baccalauréat" c. equivalent tilles and examination including present- ation of dossier of student's own works plus an interview before a jury	Higher diploma in art	Full time		Higher university	
- Urbanisme (Town planning)	N	Architect's dip- loma or have reached the 2nd part of the 1st class in architec- ture. 1st degree or equivalent or higher qualifications.	Diploma in Town planning	Full time	Instruction is given in the ateliers and tutorials and is not included in the normal syllabus of architectural studies.	Higher university (post- graduate)	
11.2.2. Ecole spéciale d'archi- tecture (ESA) (School of special architecture - ESA)	4-5	"Baccalauréat" C, D or E or equiva- lent certificates for admission to preparatory class (or 4th class). After 1 or 2 years in the preparatory class a competi- tive entrance ex- amination to 3rd class must be sat.	Diploma of school of special architecture	Full time	Course is divided into classes. Students divide their time between the atelier and lectures. At the end of the 1st class student becomes "certifiable", in which case he is required to prepare the architect's diploma, DESA, in 3-6 months under the direction of the school.	Higher university	
chitecture de l'Ecole nationale l'Ecole nationale et industries de Strasbourg (ENSAIS) (School of architecture of the Higher National School of Arts and Industry of Strasbourg - ENSAIS)	4	To enter preparatory section, students are required to be less than 22 years old and have "baccalauréat" D or E. After 1- a competitive entrance examination must be taken.	Architect's dip- loma of the ENSAIS	Full time	The competitive entrance examination is highly selective and the number of entrants is limited to 15 per year; candidates must go through the same examination as the engineers of the ENSAIS with, in addition, a special examination testing their artistic ability. At the end of each year, there are examinations before enrolment in the following year.	Higher university	

fication	Years of Study	(0)					
0.E.C.O. Classification	Type of Education	(2)	Higher university	Higher university	Higher university	Higher university	Higher university
	Other Information	(9)	There is a 3-year basic course and a more specialized course made up of works done in the school atellers.	The course has a 3-year cycle of studies giving the title of former pupil and a 1-year course in study of museums open in certain circumstances to former pupils and to holders of a university degree in literary studies (history of art). Students who pass the final examinations in study of museums can present a memoir in the 4 years following the course giving them title of graduate of the Louvre.			Diploma with mention of specialized branch of study.
=	Full/ Part Time	(5)	Full time	Full time	Full time	Full	Full time
	Certificate	(4)	Title of qualified decorator of the school	Title of former pupil of the school of the Louvre Museum and title of graduate of same	Prize awarded by the school	Prize awarded by the school	- Producer - Script writer - Filming - General course
Entrance	Requirements	(3)	Competitive examination. No diplomas necessary but age limit 17 to 25 years at most.	"Baccalauréat"	Variable	Variable	
Length of	Study (in years)	(2)	7	4-6	ιν	Varia- ble	N
Type of Education	or Institution	(1)	11.2.4. Ecole nationale supérieure des arts décoratifs (Higher National School of Decora- tive Arts)	11.2.5. Ecole du Louvre (School of Louvre Museum)	11.2.6. Conserva- toire national supérieur de musique (Higher National Conserva- tory of Music)	11.2.7. Conserva- toire national d'art dramatique (National Conserva- tory of Dramatic Art)	11.2.8. Institut des hautes études cinématographiques (Institute of Cinematography)



tion	Years of Study	(8)	
O.E.C.O. Classification	Type of Education	(i)	Higher university
	Other Information	(9)	As for engineers, this category of institution covers a great variety of schools of which the diplomas have different market values. Some schools (School of Higher Commercial Studies-HEC, men and women's section, Higher School of Economy and Commerce-ESSEC, etc.) recruit students through a competitive examination requiring 1-3 years preparation after the "baccalaureds" schools or institutes, recruit at "baccalaureds" level, Some of these schools and institutes, however, also recruit through a competitive examination of level of 2nd year of their courses.
	Full/ Part Time	(5)	full time
	Certificate	(4)	Diploma with mention of school's name
Entrance	Requirements	(3)	"Baccalauréat".  In some cases, 1 to 3 years preparation in addition to "baccalauréat" and competitive entrance examination.
Length of	Study (in years)	(2)	Varia- 2-3.
Tune of Education	or Institution	(3)	Commercial schools)  - Ecoles supérieures de commerce (Higher commerciales cial schools)  - Institut d'études commerciales (Institute of finencières et d'assurances (Institute of finance and assurances)  - Institute of finance and assurances (Institute of finance and assurances)  - Institute of momercial institute of Institute of Indiversité de Nancy (Commercial institute)  - Institute of Nancy)  - Institute of Mancy (Commercial institute)  - Institute of Higher Commercial institute of Higher Commercial institute of Higher Commercial studies - HEC)  - Ecole des hautes études commercial studies commercial studies of Higher Commercial studies funes filles (HECJF)  - HECJF)  - HECJF)



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Tyne of Education	Length of-	Entrance				D.E.C.D. Classification	ification
or Institution	Study (in years)	Requirements	Certificate	Full/ Part Time	Other Information	Type of	Years of
(1)	(2)	(3)	(4)	9	(9)	(2)	(8)
- Ecole supérieure des sciences économiques et commerciales (ESSEC) (Higher school of economics and commerce - ESSEC) (Higher training centres for senior commercial and industrial staff) - Ecole nationale (Higher training centres for senior commercial and industrial staff) - Ecole nationale d'assurance du CNAM (National school of assurances) - Ecole supérieure des sciences commerciales (Higher school of commerciales (Higher school of commerciales (Higher school of commerciales (Higher school of comptable (Higher school of charter de préparation et de préparation et de préparation et de préparationy and further cières (Preparationy and further of accounting and finance of accounting and finance							

sification	Years of	(8)		·						
0.E.C.D. Classification	Type of	Education (7)	Higher university			Higher university			Kigher university	
:	Other Information	(4)			1st and 2nd degree preparatory correspondence course. Reserve officers and non-commissioned officers who hold a "baccalauréat" are exempted from 1st degree.	Three sections can be distinguished: Pharmacy and medicine in Bordeaux and Lyon; Veterinary medicine in Lyon.	See above section 9.		Students can undertake to work for the State for 10 years as from entry date to school, thus benefitting from the status of a paid civil servant in training. At the end of the 3rd year students present a thesis. Candidates training as archivists must complete a technical training course.	
Full/ Part Time (5)			Full time	Full time	Full			Full time		
Certificate  (4)  (4)  Sub-lieutenant's diploma or foreign diploma and train- ing report for foreigners			Doctorate in medicine or veter-inary medicine. Diploma in pharmacy.			Diploma of archi- vist-palaeographer				
Entrance	Requirements	(3)		Competitive en- trance exam for holders of "bacca- lauréat" aged 17-22, requiring 1-year's preparation	Competitive examination open to non- commissioned officers and candidates from Military school of	"Baccalauréat" + 1 preparatory year			Competitive exami- nation open to holders of "bacca- lauréat"; must be under 30	
Length of	(in years)	8		N	-	7			45 months	
, E -		11.4.1. Ecole spé- ciale militaire (Military school) and	Ecole militaire inter-armes de Coëtquida (All forces military school of Coëtquidan)	11.4.2. Ecole du service de santé militaire (Military health service schools)	11.5. Enseignement (Teaching)	11.6. Lettres (Arts)	11.6.1. Ecole Nationale des chartes (School of Palaeography and Librarianship)	X 55 665		

Entrance
Requirements Certificate
(3)
1(a) competitive Higher librarian's examination for diploma licenciates and engineers under 30
(b) competitive examination restricted to assistant librarians of national public libraries with 5 years experience and certain embloyees under contracts (age limit 25-35)
2. "Baccalauréat"   CAFB (Proficiency certificate in librarianship)
To be 17 years old and hold a "bacca- tificate (10 lauréat" or equivalent qualifica- tion or entrance versity centre candidates who do credits)  To be 17 years old tificate (10 credits - UV).  Biploma of unitation for modern oriental candidates who do credits)

O.E.C.D. Classification	Type of Years of		1st degree	Post- Graduate	Higher university	Post- graduate	Higher university	Higher university
	Uther Intormation	(9)	181		from natural science to economics and uni social sciences. Courses take form of tutorials. The first 2 years end with the presentation of a memoir leading to the award of a diploma.	Preparation of a doctorate requires 2 years research and participation in gritutorial work. The title of doctor with mention of section is conferred after presentation of a thesis.	These schools and institutes are run Hiller by the Chamber of Commerce of university, or the Catholic Institute or faculties.	Courses in journalism are also provided by the faculties of arts and univolution sciences and lead as is the case in other fields to the 1st degree, "maitrise", 3rd cycle doctorate and a doctorate on mass media.
i i	Part Time	(5)			Full time		Fatl tire	full time
21-011	Certificate	(4)	Higher diploma of above-mentioned centre (30 credits)	3rd cycle dostorate	Diploma of School of Practical Higher Studies	3rd cycle doctorate	Interpretor and translator's dip- loma awarded elther by the Ministry of Education or the University of Paris in case 1 and by the school itself for 2, in which ease the diploma bears the name of the school	School diploma
Entrance	Requirements	(3)		1st degree "maîtrise", diploma of CULOV, etc.	No special quali- fication required	Diploma of the school or "maitrise" or equivalent diploma depending on a committee decision	1) 1st degree or equivalent qualification and examin one or two modern foreign languages 2) In some cases, "baccalauréet" plus entrance examination. The DUEL gives access to 2nd year and a university degree to 3rd year.	Competitive entrance examination and proficiency tests
Length of	(in years)	8	~	1 or more	N	N	0 4	М
Type of Education	or Institution	(3)	- 2nd cycle	- 3rd cycle	11.6.4. Ecole pra- tique des hautes études (School of Practical Higher Studies)		11.6.5. Ecoles et instituts d'inter- prètes et de traducteurs (Schools and col- leges for interpre- tors and translators)	11.6.6. Ecole superieure de journalisme et Centre de formation des journalistes (Higher school of journalism and training centre for journalists)

G.E.C.9. Classification	Years of Study		ty		ty.		•				\$5.
B.E.C.9. C	Type of Education	ε	Higher university	Higher university	Higher university	Higher university					Higher university
	Other Information	(9)			Courses are given in special recog- nized schools affiliated to maternity hospitals. However, 2nd and 3rd year examinations are taken in faculties of medicine.	The school provides training courses and complementary courses, statutary or optional sessions of refresher and further training courses.					In Paris, 1st year is known as "preparatory year". In all IEF the 1st year ends with an examination giving however, go into 2nd year directly if they hold a university degree. The majority of IEP organise a further year's course of study in preparation for the Hational School of Adminitiation for they are into a for the stration for they are into a for the for they are into a for they are into a for the for they are into a for they are into a
	Full/ Part Time	(5)	Full time		Full time	Full time					Furt time
	Certificate	3	School diploma showing specialist subject studied		Midwives' State diploma	Diploma in public health with mention of section attended					Diploma with mention of name of tion of name of "good" institute in or "and nina-" of the column is not the column in the column
90000	Requirements	6	"Baccalauréat" and competitive en- trance examination 1st degree in psychology		Competitive entrance exam ("bac-calauréat" level) for candidates of at least 18 years of age	Entry conditions vary for each section. In general, a higher diploma is neces-	sary or candidates are required to be				In most cases "baccalauréat" qualified as "good" or "very good" or "baccalauréat" and entrance examina- tion for IEP of Paris
Length of	Study (in years)	(2)	3-4		W		~	7-	4		۳
	lype of Education or Institution	(2)	11.6.7. Ecoles et instituts de psychologie (Schools and institutes of psychology)	11.7. Santé (Health)	11.7.1. Ecoles de sages-femmes (Courses for mid- wives)	11.7.2. Ecole na- tionale de la santé publique (National school of public health)	1.Santé publique (Public health)	2.Administration sanitaire et sociale (Sani- tary :nd social administration)	3.Section spécialisée (Special section)	11.8. Sciences jur- idiques et admini- stratives (Law and administration)	11.8.1. Instituts d'études poli- tiques (IEP) (Institute of Po- litical Studies - IEP)





#### Years of Study ē O.E.C.O Classification Higher universi†y Higher ur .versi ty rraduate graduate Type of Education 10st-Higher Post-? The school trains top level civil servants. The course is divided into a training period of approximately 9 months followed by 1 year: course of study in the school, at the end of which there is a diploma are classified according to rank of success and thereafter complete a second period of training in top level public services before entering g The aim of these centres is to train students, who are undertaking higher studies, for the competitive recruitment examination for civil servants in general administration. Students who already hold a university dagree The school also offers holders of the "baccalauréat" (science type) 1 or 2 year courses leading to a non-university level assistant statistician's diploma. 3rd cycle work is carried out in tutorials. Other information 9 are not admitted. Full Part Time Full Full Full time 3 Generally univer-Higher diploma in sity degree or research and equivalent diploma political studies Diploma of Eli Statistician's Certificate € No diploma diploma examination open to licenciates or holders of equivalent or higher diplomas - examination often takes place after 1 year's preparation or 2) Competitive examination taken within the civil service and exclusively for civil University diploma Sin scientific studies or degree in economic higher education leading to 1st degree or equiva-lent qualification Continuation of 1) Competitive Requirements 3 required servants (in years) Length of Study 2-3 8 N ς-11.8.2. Centres de préparation à l'ad-ministration générale (Prepara-tory centres for general administra-tion) 11.8.3. Ecole na-tionale d'admini-stration (ENA) (Mational School of Administration -ENA) tionale de la sta-tionale de la sta-tistique et de l'administration éconòmique et ins-titut de statis-tique de l'Univer-sité de Paris (National school of statistics and econòmic administra-tion and the Insti-tion and the Insti-tute of Statistics of Paris University) Type of Education or Institution - 3rd cycle

fication	Years of Study	(8)						
O.E.C.D. Classification	Type of Education	(2)	Higher university		Higher non- university			Higher university
	Other Information	(9)			Graduates may devote a 3rd year of studies to writing of thesis.	See 18,1,		After 1st and 2nd year of study students undergo a 2-month training course on board ship. Holders of the probationary officer's diploma receive the merchant navy officer's certificate after a 10-month training period on board ship which enables the m to enrol for the examination of the diploma of higher studies after 10 months at sea. Holders of the latter diploma are awarded a 1st class sea captain's certificate after 35 months at sea.
	Full/ Part Time	(5)	Full time		Full	_		Full time
	Certificate	(4)	Variable depending on public service in question		School diploma			After 3 year course: - probationary officer of merchant navy diploma. After 4 year course: - diploma of higher studies of merchant navy.
Entrance	Requirements	(3)	Hold a university degree or be in process of completing higher studies	Competitive en- trance examination	"Baccalauréat" or equivalent qualifications			Competitive examination open to "baccalauréat" holders and pupils who have completed "classes terminales" (7th year of secondary education)
Length of	Study (in years)	(2)	Varia- ble		N		,	4
Tyne of Education	or Institution	(1)	11.8.5. Ecoles de formation des cadres fonction-naires (Training schools for sendr civil servants):	- Custom. - Fiscal services - Surveying - Legal studies - Post office and telecommunications - Police - Haritime admini- stration	11.8.6. Ecole des hautes études internationales (School of higher international studies)	11.8.7. Ecoles de notariat (Notary schools)	11.9. Sciences et techniques indus- trielles (Industrial science and techniques)	11.9.1. Ecoles nationales de la marine marchande (National Merchant Navy Schools)



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fication	Years of	(8)				
O.E.C.D. Classification	Type of Education	(2)		Higher non- university	Higher non- university	Higher non- university
	Other Information	(9)		This is a type of higher education of recent creation leading to employment in secondary sector and in turtiary sector of the economy. The aim of the courses is training of advanced technicians. Is training of course covers 12 main sections (standard measures, physics, mechanical engineering, computer studies, business and administration, etc.) leading to 23 special stration, etc.) leading to 23 special social welfare assistants, specialized educationalists, control engineering, etc.). The development of the IUT advanced technician's sections of the lycées".	These sections train students for direct entry to posts in various economic sectors. The course includes the various specialized branches of industrial and tertiary sector. The special subjects are broken down into options. Certain BTS give access to certain education and research centres (UER).	Students in these classes prepare, in the main, the competitive entrance examinations for entrance to 1st year in "grandes écoles" specialized in science subjects (engineering schools, higher teacher training schools, etc.) or to those specialized in arts subjects _arts sections of higher teacher training schools, School of Palaeotraining schools, School of Palaeotraining schools, School of Palaeotraining schools, Con in commercial graphy and Librarianship (Ecole des Chartes, etc.) or in commercial subjects. In general, these preparatory classes are affiliated to the lycées. Some schools, however, organise their own preparatory classes for their competitive examinations.
	rull/ Part Time	9		full	Full time	Full time
	Certificate	(4)		University diploma in technology showing special branch of study (UUT). Certain UUT give possibility of access in certain circumstances to 2nd cycle of UR courses in Science, Law and Economic Science.	Advanced techni- cian's certifiate showing special subject (BTS)	No diploma
Entrance	Requirements	(3)		"Baccalauréat" or equivalent certif- icate; all types of technician's "baccalauréat" or entrance examina- tion for other candidates	Technician's cer- tificate, techni- cian's "baccalau- réat" or "bacca- lauréat" or exami- nation for candi- dates who do not hold any of these certificates	"Baccalauréat" plus a favourable report from class council
Length of	Study (in years)	(2)		N	N	1-3
Type of Education	or Institution	(3)	12. Training of Higher Technicians	universitatives de technologie (IUT) (University institutes of technology - IUT)	12.2. Sections de techniciens supé- rieurs des lycées techniques (Higher technician's sec- tions of technical "lycées")	73. Preparatory Classes of the Grandes Ecologi



fication	Years of	(8)			_				
D.E.C.D. Classification	Type of	(2)			Higher non- university	Higher non- university	Higher non- university	Higher non- university	Higher non- university
	Other Information	(9)	Specialized courses are provided by public or private institutions which, as a general rule, do not require the "baccalaureat" but an equivalent level of achievement. The main institutions are listed below according to careers they lead to. Statistics concerning them are often incomplete and collected irregularly, they are not usually compiled by the Statistics Service of	cie utilizaty of Education.	Courses are given in schools attached to hospitals or in other recognized schools. Students can specialize in different fields of study (anaesthetist's assistant, technical assistant in electro-encephalographical work, etc.).	Training takes place in recognized schools. Specialization is possible (certificate of specialized rural studies, diploma of factory and social services superintendent, etc.).	Training provided in recognized schools.	Training provided in recognized schools.	Training provided in recognized schools.
	Full/ Part Time	(9			Full	Full	Full time	Full time	Full
	Certificate	(4)			Male nurse or nurse's State diploma	Social worker's State diploma	State diploma for child welfare nurses	State diploma for technician in electroradiology	State diploma for masseur- physiotherapists
Entrance	Requirements	(3)			Competitive examination for students without direct admission for "baccaluaréat" and holders and holders and holders of final secondary certificate	Examination of "baccalauréat" level	Nurses, midwives or social welfare assistant's diploma	Secondary leaving certificate or examination	Admission by competitive entrance examination. "Baccalauréat"
Length of	Study (in years)	(2)			N	n	7-	N	m
Tune of Education	or Institution	(1)	Other types of higher education	14. Careers in health and social services	14.1. Infirmier- infirmière (Courses for nurses - male or female)	14.2. Assistant et assistante de service social (Social welfare assistants - male or female)	14.3. Puéricultrice (Child welfare nurses)	14.4. Manipulateur (trice) en électro- radiologie (Technicians in electroradiology)	14.5. Nasseur- kinésithérapeute (Masseur-physio- therapists)



fication	Years of Study	(8)					_		
O.E.C.D. Classification	Type of Education	(3)	Higher non- university		Higher non- university	Higher non- university	Higher non- university	Higher non- university	Technical secondary (b)
	Other Information	(9)		There is 1 year of specialization. Courses are provided in only three or four establishments.	Training provided in three schools and is divided into three school cycles of 9 months.	Course held in faculty of medicine of Paris.	Course is held in faculty of medicine in Paris.	The technician is responsible for helping and guiding families and social groups. Students can specialize in the 3rd year of the course.	Training is provided by the French union of documentation organisations (UFOD). The certificate is prepared over two sessions of 9 and 7 months respectively (evening classes).
	Full/ Part Time		Full		Full	Full time	Full time	Full time	Evening
	Certificate		State diploma in chiropody	Technician's cer- tificate in chi- ropody, orthopaedic treatment,	Leaving certificate	Proficiency certi- ficate in re- education of psy- cho-motory defects	train-Proficiency certi- hs ficate in welfare n of sub-normal children	Higher technician's certificate	Documentation assistant's certificate
, and a second	Cantraince Requirements	(3)	Examination of "baccalauréat" level	State diploma in chiropody	Examination of "baccalauréat" level	Examination of school dossier (baccalauréat" level)	Probationary training of 3 months ending with an examination	"Baccalauréat" level	No certificate is required but minimum age is 18. A good knowledge of foreign languages is recommended.
Length of	Study (in years)	(2)	5	-	27 months	α	W	N	16 months
Education titution		(1)	14.6. Pédicure (Chiropodists)		14.7. Ergothéra- peute (Ergotherapist)	14.8. Rééducateur de la psychomotri- cité (Courses in re-education of psycho-motory defects)	14.9. Rééducateur des troubles psychagénésiques de l'enfance et de l'adolescence (Re-education of psycho-genetic troubles in child- ren and adolescents)	14.10, Technicienne supérieure en éco- nomie sociale familiale (Advanced 'techniclan' in family and social welfare)	15. <u>Literary</u> <u>careers</u> 15.1. Aide-documentaliste (Training as documentation assistant)



sification	Years of	(8)			<del>-</del>				
O.E.C.O. Classification	Type of	(3)	Technical secondary (b)		Higher non- university	Higher non- university	Higher non- university		Higher non- university
	Other Information	(9)	Schools are private and fee paying.		Two specialist courses are available: for maladjusted children and for nurseries.	Holders of certificate may be in charge of post-school or in some cases school activities.			The BTS covers two options: training as managerial secretary or trilingual secretary. Both types of training are provided in many private schools. The "baccalauréat" is not required. Medico-social secretaries are trained by the French Red Cross and private institutions.  The national association for vocational training of adults organises training courses of 6-9 months with a view to training secretaries with shorthand and typing, correspondence clerks with typing, correspondence clerks with typing, shorthand typists.
, II., I	Part Time	(5)	Full time		Full	Full time	Full		Part time and full time
	Certificate	(4)			Child-nurse certificate	Teacher of physical education	Group leader's		Higher technician's certificate (BTS)
Entrance	Requirements	(3)	No conditions		Entrance examina- tion "baccalau- réat" level	Competitive en- trance examination	Entrance examina- tion		Admission on examination tests or competitive exam.
Length of	Study (in years)	(2)	Varia- ble		8	N	2 to 3		~
Type of Education	or Institution	6	15.2. Attaché de presse et conseiller en relations publiques (Courses for press attachés and public relations advisers)	16. Teaching	16.1. Jardinières d'enfants (Child-nurse)	16.2. Maîtres d'ed- ucation physique (Physical education teacher)	16.3. Animateur (Group leader)	17. Commercial	(Secretarial work)

ation	Years of Study	(8)									
O.E.C.9 Classification	Type of Education	(0)	Higher non- university	Secondary (b)	Higher non- university		Higher non- university		Higher non- university	Higher non- university	Higher non- university
	Other Information	(9)	In addition to the IUT's which train students for university diploma in administrative technology over 2 years various private institutions provide courses leading to the higher technician's certificate and to the examination for the diploma in chartered accountancy.	In addition to the higher techniciar's certificate of secretarial studies which is prepared in some technical 2nd cycle secondary girls' schools the technical secretary's diploma can be obtained in various private institutions.	Training generally takes place through evening classes and students can at the same time attend courses in law and modern languages.		Some schools are not recognized by the State and therefore cannot award any official certificates. In order to enter the profession students are required to complete a 4-year train- ing period (6 years for non-certifi- cate holders) and have passed a professional examination.			Training takes place in the French school of milling in Paris.	Training lasts 2 years followed by a 4-months training period in wine cellars.
	Full/ Part Time	(5)	Full	Full time	Full time		Full		Full	Full	Full time
	Certificate	(4)	Higher technician's certificate (BTS) in accountancy	Technical secretary's diploma (showing special-ist subject)	Higher techniciaris certificate (BTS) in advertising		School diploma		Technician's certificate	Higher technician's certificate	State diploma in oenology
Entrance	Requirements	(3)	Entrance examination	Variable	"Baccalauréat" level		Admission without examination or certificate. Winimum age is 17.		"Baccalauréat" level	"Baccalauréat" level	"Baccalauréat" or decision of a spe- cial committee for students without "baccalauréat"
Length of	Study (in years)	(2)	N	N	M	`	N		N	N	28 months
	iype of Education or Institution	(1)	17.2. Comptabilité (Accountancy)	17.3. Secrétariats techniques (Technical secre- tarial work)	17.4. Publicité (Advertising)	18. Legal careers	18.1. Notariat (Notary schools)	19. Careers in agriculture	19,1, Industrie laitière (Dairying)	19.2. Meunerie (Milling)	19.3. Oenologie (Oenology)



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ication	Years of Study	· (e)							
O.E C.D. Classification	Type of Education	ε	Higher non- university	Higher non- university (comple- mentary)			Higher university		
	Other Information	(9)	Training takes place in zootechnic centre of Rambouillet: stock-breeding, sheep rearing, poultry breeding.	Conservatory course is, in particular, Higher non- for people in employment. Instruction has a technical or economic bias (comple- in some cases a university diploma in mentary)	technology is awarded. For mathematics and physics section students must hold certain diplomas, (technician's certificate or vocational certificate) in order to enrol di-	rectly in the 1st cycle, or failing this complete a preparatory year.	Holders of CNAM higher technical diploma can in certain circumstances prepare the CNAM engineer's diploma on a 1 year full time basis, which is remunerated.		
	Full/ Part Time	(5)	Full time	_	Part time	Part time	Full time		
	Certificate	(4)	Agricultural technician's certificate		1st cycle diploma in techniques or economy of the CNAM	Higher diploma of technical studies or in economy of the CNAM	CNAM engineer's diploma or CNAM economist		
Entrance	Requirements	(3)	Pupils of terminal classes of agricultural lycées (D')	No entrance requirements.		1st cycle diploma of the CNAM	Higher technical diploma of CNAM		
Length of	Study (in years)	(2)	-	Varia- ble					
Tune of Education	or Institution	6	19.4. Elevage (Stock-breeding)	20. National Conservatory of Crafts and Trades (CNAM)	- 1st cycle	- 2nd cycle	Engineer's diploma		

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Fields of Study	O.E.C.O. Classification	Fields of Study	D.E.C.D. Classification
Higher University Education		UER - Médecine (UER - Medicine)	
UBR - Science		- Médecine (Medicine) - Biologie humaine (Human biology)	Medical sciences
Mathematiques (Mathematics) Mathematiques et applications fondamentales (Mathematiques et applications)	Pure sciences	acie (UE	
(Mécanique (Mechanics) Mécanique (Mechanics) Technologie de la construction mécanique	Technology	- Pharmacie (Pharmacy)	Ξ
(Technology of mechanical building) Science naturelles (Natural Science)	Pure sciences	UER - Chirurgie dentaire (UER - Dental surgery)	
Physique (Physics) Chimie-physique (Chemistry-Physics)		- Chirurgie dentaire (Dental surgery)	=
Chimie (Chemistry) Blochimie (Blochemistry) Riologie animale (Animal Riology)	= = =	UER - Droit et sciences économiques (UER - Law and Economics)	
Biologie végétale (Minut Biology) Génétique (Génétics) Physiologie (Physiology)	= = =	- Droit (Law) - Sciences économiques (Economics)	Law Social Sciences
) puter studies) strotechnique et automatic	Social sciences	Autres établissements de niveau universitaire (Other establishments of university level)	
(Electronics, electrotechnics and control engineering)	(9010111001	Ecoles d'ingénieurs (Engineering schools) Ecoles nationales vétérinaires (National	Technology Agriculture
UER - Lettres - Sciences humaines (UER - Arts - Human Sciences)		Schools of veterinary medicine) Ecoles superiours (feminines agricoles (Higher	Ξ
Lettres classiques (Classical arts)	Arts	Institut de promotion et d'expansion agricoles (Instituté of agricultural promotion and	=
Languages vivalues eviangeres (Modern loreign Histoire (History)	: =	expansion) Institut agronomique méditerranéen (Institute	=
Philosophie et sciences humaines (Philosophy and human sciences)	: =	Oi Mediterranean agronomy) Institut d'élevage et de médecine vétérinaire des nave frontcaux (Institute of etock	=
Education musicale (Music) Arts plastique (Plastic arts)	= =	des pays digitation (institute of scook- breeding and veterinary medicine in tropical countries)	:
Histoire de l'art et archéologie (History of art and archaeology)	=	Ecoles nationales des Beaux-Arts dont Architecture (National schools of Fine Art.	Fine Arts
Lettres modernes (Modern Arts) Géographie (Geography)	Social sciences	()	Architecture
Linguistique (Linguistics) Géographie humaine (Human geography) Géographie nhysione (Phystos)	Arts Social sciences	of architecture)  Ecole d'architecture de l'Ecole nationale	z
Coceration (Logic) Logique (Logic) Psychologie (Psychology)	Arts	superieure des arts et industries (School of architecture of the higher national	
Sciences de l'éducation (Science of education) Sociologie (Sociology)	" Social sciences	school of art and industry) Ecole nationale des arts décoratifs (National school of decorative arts)	Fine Arts
Institut d'Etudes et de developpement economique et social (Institute of economic and social	r	Boole du Louvre (School of Louvre museum) Conservatoire national supérieur de musique	<b>=</b> =
development studies (IEDES) Institut de démographie (Institute of	:	Conservational Conservatory of music) Conservational d'art dramatique (National conservatory of dramatic art)	΅.
demography)			

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Fields of Study	0 E.C.D. Classification	Fields of Study	O.E.C.D. Classification
Institut des hautes études cinématographiques (Institute of higher studies in cinemato-	Fine Arts	Ecole technique d'aéronautique et de construc- tion automobile (Technical school of	Technology
graphy/ Ecoles supérieures de commerce et assimilées (Higher and associated schools of commerce)	Social sciences	aeronautics and automobile construction) Ecole supérieure des industries textiles (Higher school of textile industries)	z
Ecole Spéciale militaire et inter-armes (Special military and all-forces military	Others	Ecole de biologie pratique (School of practical biology)	=
schools) Ecoles du service de santé militaire (Military health schools)	Medical science	Enseignement normal (voir section 8) (Teacher training (see section 8))	=
Ecologia Schools, Ecologia (National school of palaeography and librarianship)	Humanities	Enseignement supérieur non universitaire (Higher non-university type education)	
school for librarians) Centre universitaire des langues orientales Vivantes (Iniversity centres of modern		Départements d'enseignement des IUT : (IUT teaching departments :)	
	ţ	Administration des collectivités publiques et des entreprises (Administration of public	Social sciences
Ecoles et instituts d'interprètes et de traducteurs (Schools and Institutes for	Section Humanities	communities and iirms) Biologie appliquée (Applied biology) Carrières de l'information (Careers in mass	Pure sciences Social sciences
Interpreters and tanslators)  Ecole supérieure de journalisme et assimilées (Higher school of journalism and associated	Social sciences	media) Carrières sociales (Careers in social work) Techniques de commarcialisation (Marketing	: t
Scoles et instituts de psychologie (Schools and	Humanities	techniques) Informatique (Computer studies)	Ξ:
increaces of respinatory)  Ecoles de sages-femmes (Schools for midwives)  Ecole nationale de la santé nublique (National	Medical science	<pre>lecfiniques statistiques et quantitatives (Quantitatiive and statistical techniques) (\text{Prime} (\text{Chanistrue})</pre>	our O
school of public health) Instituts d'études politiques (Institute of	Social sciences		
Centre de préparation à l'administration générale (Preparatory centres for general	F	Genie mecanique (Mechanical engineering) Mesures physiques (Standard measures) Thermique (Thermodynamics)	n Pure sciences Technology
administration) Ecole nationale d'administration (National school of Administration)	=	Sections de techniciens supérieurs des lycées Higher tachnicians sections in 2nd eucle	
Ecole nationale de la statistique et de l'administration économique (National school	Ξ	20.00	
of statistics and economic administration) Ecole de formation des cadres fonctionnaires	Ξ	Agriculture et industries agricoles (Agriculture and agricultural industries)	Agriculture
	=	Batiments, travaux publics (Building and bublic works)	Technology
of higher international studies) Ecoles nationales de la marine marchande	Technology	Chimie, analyse biologique, biochimie (Chemistry)	Pure sciences
(National Merchant Navy schools) Office de recherche scientifique et technique		Transformation des matières plastiques (Processing of plastics)	Technology
d'Outre-mer (Overseas office of scientific and technical research)		Electricité, électrotechnique, électromécanique (Electricity, electrotechnics, electro-	z
<pre>Ecoleationale technique des mines (National technical mining school)</pre>	=	mechanics) Horlogerie, micromécanique, mécanique de précision (Clockmaking, micromechanics,	=
_	_	precision mechanics)	

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Fields of Study	D.E.C.O. Classification	Fields of Study	O.E.C.D. Classification
Industries extractives, prospection (Extract industries, prospecting)  Mécanique, métallurgie (Mechanics, metallurgy) Optique, photographie, cinématographie (Optics, photographie, cinématography) Textile (Textiles) Commerce, touvisme (Commerce and tourist trade) Contrôle des rayonnements ionisants et applications des rechniques de protection (Control of radioactive rays and application of protection techniques (Home economics adviser) Assistante d'ingénieur (Engineer's assistant) (female) Diététique (Dietician) Traitement de l'information (Computer studies) Economie sociale familiale (Social family Esthétique industrielle (Industrial design)	Technology " Social sciences Technology Social sciences " " " "	Notariat (Notary)  Neunerie (Milling) Oenologie (Wine making) Elevage (Stock breeding) Conservatoire national des arts et métiers (National conservatory of crafts and trade)	Law Argriculture " Tecimology or Social sciences
Classes préparatoires aux grandes écoles (Preparatory classes of "grandes écoles") Autres types d'enseignement (Other types of higher education)	According to school concerned		
Infirmier (Nursing) Assistante sociale (Social worker) Puéricultrice (Child-care) Manpulateur en électroradiologie (Technician in electro-radiology) Masseur kinésithérapeute (Masseur-physiotherapist) Ergothérapeute (Ergotherapist) Rééducateur de la psychomotricité (Re-education of psycho-genetic troubles) Rééducateur des troubles psychagénésiques (Re-education of psycho-genetic troubles) Réducateur des troubles psychagénésiques (Re-deucation of psycho-genetic troubles) Réducateur des troubles psychagénésiques (Re-genetic troubles) Réducateur des troubles psychagénésiques (Re-genetic troubles) Réducateur des troubles psychagénésiques (Re-deucation of psycho-genetic troubles) Reducation of psycho-genetic troubles) Actaché de presse (Press attaché) Publicité (Advertising) Attaché de presse (Press attaché) Mattaché d'enfants (Nursery teacher) Mainateur (Group leader) Secrétariat (Secretarial work) Secrétariat technique (Technical secretarial work)	Medical sciences Social sciences Medical sciences "" "" Social sciences "" Education " Social sciences "" "" "" "" "" "" "" "" "" "" "" "" ""		

Teachers	Place of Training	Length of Study (in years)	Other Information .
Nursery schools	Primary teacher training colleges	2-5	There is no special training course for nursery school teachers who study the same programme as primary school teachers. However, the student teachers in the training schools generally complete a period of training in a nursery school. In addition to this, the written part of the primary teachers' proficiency certificate examination includes an option "nursery schools". This examination is taken mainly by supply primary teachers.
Primary schools (and classes terminating primary education)	training colleges	2-5	In each "département" there is, in theory, a training collège for men and one for women. The length of the period of trudy depends on the level of recruitment. The length of the period of trudy depends on the law of the competitive examination examination established by the competitive examination (exceptions in favour of age made) and require broom of the competitive examination (exceptions in favour of age and eagle no feet competitive completion of studies to end of 3rd form (9th year of schooling). Once they have passed the competitive entrance examination (exceptions in favour of age made) and require proof of completion of studies to end of 3rd form (9th year of schooling). Once there if it is not all prepare the "baccalauréat" in 3 years followed by years of training in teaching methods. In recent years training courses the entrance examination and who have already successfully completed 5th year (classed escende) can go directly into 2nd year. They prepare the "baccalauréat" in 2 years followed by 2 years of training in teaching methods. "Baccalauréat" not already successfully completed 5th year (classed by each (farming schools covers a syllabus of general training in teaching methods. "Baccalauréat" in 2 years followed years of training in teaching methods. "Baccalauréat" in 2 years followed years of training in teaching methods. "Baccalauréat" in 2 years followed years of training in teaching methods. "Baccalauréat" in 2 years followed years of training in teaching methods "Baccalauréat" in 2 years followed years of training in teaching methods "Baccalauréat" in 2 years followed years of training in teaching methods such such and special sacritical decrines, together with a professional training including theoretical action is special secondary deucation leading to the "baccalauréat" the 2nd year of professional training the intending principal secondary deucation and of training period is 25 days. Theoretical teaching period is 25 days. Theoretical teaching period is 25 days. Theoretical teaching pe

Other Information	It is possible for primary school teachers to have access to secondary teaching by preparing the teacher's proficiency certificate of general colleges of education (CAP-EGC). They can also train for entrance to institutions of higher education or prepare a specialized teaching certificate for secondary education after their professional training. Within the "départements", and when there is a shortage of qualified primary teachers, substitute teachers are recruited through a competitive examination from among pupils with or without the "baccalauréat". "Baccalauréat" students undergo a 2-year period of professional training, of which is dedicated to a general training. At the end of the 2nd year they sit the full CAP. They become certificated 4 or 5 years after the date of their enrolment on the list of substitute primary teachers. Students without "baccalauréat" are enrolled provisionally or the departmental list of substitute primary teachers. They receive the same professional training as "baccalauréat" holders but cannot become certificated.	Type of training given to teachers in CES-CEG is a result of the reorganisation of the complementary courses (CC). As the former are now part of the new CEG and CES, changes have been made in the type of training given to teachers according to whether they desire to teach in section II (CEG type) or in section I ("lycée" type) or in a transition and practical terminal cycle (section III).	In order to teach in transition and practical terminal cycles, candidates must hold corresponding teaching proficiency certificates. These certificates are granted at the end of a 2-year period of instruction which takes place after the "baccalauréat". Preparation for these proficiency certificates in teaching (CAP) is open to qualified primary teachers with 5 years teaching experience. As a temporary measure, however, the 1st year of this course is to be done by correspondence: at the end of this year candidates sit examinations giving them access to regional centres where the actual preparation of the certificate of teaching proficiency takes place after a 1-year probationary training period.	As in the case of the other that, training has two parts, one in the other in pedagogy. Training given in these centres puts an emphasis, however, on acquiring knowledge of the child, the preadolescent and the adolescent. There is also an emphasis put on knowledge of environment and daily life (experience in factories) and a great part of the course is devoted to the study of sociology.	Training of teachers of general subjects in CES-CEG has been extended from 2 to 3 years after the "baccalauréat" (certificated teachers being trained in 4 years). They complete the 1st cycle of higher education. However, with the reforms in higher education, CAP-EGC candidates in arts subjects now complete a modified 2-year 1st cycle after which they can do either the year of professional training for CEG teachers given in regional centres, as probationary teachers or the final degree year or prepare a "maîtrise" at a university.
Length of Study (in years)			N		7
Place of Training			Regional centres		Regional centres for training of CEG teachers or special sections of primary teacher training schools
Teachers		1st cycle secondary education - CES-CEG (Colleges of secondary education and colleges of general education)	Section III (former transition and practical terminal cycles)		Section II (CEG type) - General instruction



Teachers	Place of Training	Length of Study (in years)	Other Information
			and year probationary teachers (this 2nd year of professional training was organised in 1962) continue their higher studies and receive training in teaching methods spread over 15 hours a week of which 7 are devoted to general pedagogy and 8 to pedagogical problems particular to teaching in CEG's. Before the beginning of the university year they complete a training period of 1 month from 15th September to 15th October in a 2nd year of the intermediate class of primary schools and during the school year must do 1-day's training a week in a CEG under the advisor's supervision. The training period report is made up of these weekly exercises.
·			Probationary teachers holding university degrees are admitted directly into 2nd year and complete 1 year of supervised interim teaching, a principle also applied in primary teacher training schools. There is a regional centre in every main town of an educational region (académie). Each centre has four sections and a special option for domestic economy and rural domestic economy. Training is comprehensive within the broad subject categories. Subjects are grouped in pairs. At the end of the may be) probationary teachers sit the final primary teacher's training certificate examination (CFEM), then the CAP-EGC which includes written and oral parts. If candidates pass this examination they go into a CEG type section. At the end of the year they sit the practical examinations of the CAP-EGC which take the form of an inspection after which they are considered qualified. The theoretical part of the examination, written and oral, is based either on the literary subjects or science subjects taught in the colleges of general education (CEG).
Teaching of domestic science			Student teachers training in Comestic economy or rural domestic economy can choose either of two possibilities in 1st year:  (1) Those who wish to and are capable of preparing a certificate of higher education preliminary to a science degree (PCB, NPC or SPCH) can enrol in a special section of a regional centre.  (2) Alternately they prepare the CAP-EGC in the regional centre of Montilignon where real subjects studied are physics, natural and human sciences and the "echnological aspects of domestic science training. All the students attend Montilignon in their 2nd year of training where the emphasis is on the theoretical and practical aspects of teaching. Buring the year students prepare the CFEH and the CAP-EGC according to the above-mentioned terms.

Place of Training Study (in years)	University or the ability to teach in these sections is guaranteed by two certificates training centres profit competence obtained in competitive examinations: the "GAFF2" (Contificate or profit competence or profit of the competitive examinations and the "Margardian" and Migher education).  **Migher teacher training colleges for the competitive examinations can be prepared through three different channels:  **In Miversity  **Leading colleges  **Divident training colleges (Foolse normales superiours)  **J. Wilder teacher training foolse (Foolse normales superiours)  **J. Wilder teaching diploma (better to see the superiours)  **J. Wilder teaching control (Margardian training normal training colleges (Foolse normales superiours)  **J. Wilder teacher training colleges (Foolse normales superious)  **J. Wilders (Wilder teacher training training colleges (Foolse normales superious)  **J. Wilders (Wilder teacher training training training training colleges (Wilder training t
Teachers	Section I ("lycée" type) and and cycle of classical and anodern secondary schools h

exam "train train of Sai	Other Information
Technical sections in "Lycées" (2nd cycle)	exam "ipésiens" sit, The najority of "normaliens" of Ulm and Sèvres train for posts in higher education and scientific research while those of Saint Cloud and Fontenay train for careers in secondary education.
A. Hon vocational subjects EHSET (higher feaching training institute equive cond of Cachan)	Teacher's duties are organised on the basis of specialization and teachers are recruited, like their colleagues in classical and modern secondary schools, from among holders of the "agrégation", or the CAFET equivalent to the CAFET for technical education. Students can prepare the CAFET either at university (whether or not they are "ipésiens") in which case pedagogical training takes place in a CPH (see above training of 2nd cycle secondary teachers) or in the higher technical teacher's in order to sit this examination is by competitive examination. In order to sit this examination candidates are required to be between 18 and 23 years old on the 1st day of January of the year the examination 2 years in the preparatory classes of the "grandes écoles". As admission to the competitive examination is considered equivalent to the university (DUES), the 1st 2 years are devoted to the preparation of the "licence" and the "maîtrise" (post-graduate diploma) and to the theoretical part of the CAFET. They are exempted from the written examination. The 3rd of the charter are devoted from the written examination. The 3rd of the charter are the charter and the "maîtrise" (post-graduate diploma) and to the theoretical part con of the CAFET.
B. Theoretical technical subjects Subje	takes place in the ENST, to the preparation of the reaching, which takes place in the ENST, to the preparation of the preparation of the CARET and to studies or preparatory works for entry to 4th year. Fourth year is devoted to preparation of "agrégation",  Teachers of these subjects can have one of the following three types of training:  (a) a regular university training in appropriate subjects with or without attendance at the pedagogical institutes of secondary education (IPES);  (b) university level training provided in the higher technical teacher training school (ENSET) in the relevant sections;  (c) university level training as engineer.  Holders of a degree can prepare the technical secondary teaching proficiency certificate (CAPET). Those who have a post-graduate diploma can prepare the "agrégation",

Teachers	Place of Training	Length of Study (in years)	Other Information
C. Practical vocational subjects		-	Assistant Technical Teachers (FTA) These teachers are recruited through a competitive entrance examination These teachers are recruited through a competificated teaching staff of SF, After the examination they complete a 1-year training period similar to that of the CPR, held in a centre affiliated with the SMSF. There are industrial and commercial PTA with sections of social studies and domestic economy.
Agricultural secondary schools ("lycées")	Training centre of Dijon	4-5	Teachers in agricultural secondary schools must held a proficiency certificate which entitles them to teach therein. The certificate is equivalent to the CAPES and the CAPET and can be prepared in 1 year. The competitive entrance examination is open to holders of a tenching certificate or a diploma in engineering or general agronomy. The examination includes four options: physics, organic chemistry and soil studies, animal biology, biology of plants, rural economy and sociology.
CET (Colleges of technical education)	ENNA (Mational teacher training apprenticeship centre)		Teachers in these institutions can be divided into:  (A) Teachers of general subjects (PEG) (B) Teachers of theoretical techniques (PETT) (industrial drawing, industrial design, commercial subjects and domestic sciences)  (C) Assistant technical teachers (PTA) In each of these categories candidates are seleted through a competitive entrance examination. Enrolment requirements for the entrance examination are as follows:
A. Non-vocational subjects		4	Teachers of general subjects: Candidate must be aged between 20 and 35 and have passed entrance examination to the higher technical teacher training institute (EMSET), or be a qualified primary teacher not over 40, or hold the 1st year certificate of the DUEL or the DUES or equivalent diploma, and pass a competitive entrance examination of a national teacher training apprenticeship school (see below).
B. Theoretical technical subjects		4	Teachers of theoretical techniques: Recruitment in EMMA is by competitive entrance examination open to candidates who hold one of the following diplomas: university diploma in technology (DUT), higher technician's certificate (2 years after completion of 2nd cycle secondary education) or technical "baccalauréat" or equivalent certificate. Candidates who have either 2 years practical professional experience in their speciality or 2 years of service as an assistant teacher in a state institution of technical education and who, in addition, have either a "baccalauréat" or an equivalent certificate can also sit entrance examination.
C. Practical vocational subjects		-	Assistant technical teachers: Candidates must be aged between 23 and 45 and have 5 years experience in employment in their speciality; exceptions may be made in favour of candidates who hold certain particular certificates. No educational or professional qualifications are required. Once the national entrance examination has been passed candidates undergo a 1-year period of teacher training as probationary teachers either in an ENMA or under the guidance of the principal or teachers of these schools. The organisation of the training course in the ENMA is related

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to have an official qualification: 1st part of teaching qualification teacher's certificate or national certificate in physical education.
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Teachers	Place of Training	Length of Study (in years)	. Other Information
Higher Education Universities	Universities and "grandes écoles"		The entire teaching staff in university establishments is employed by the State and their salaries are drawn from the Ministry of Education budget. The staff includes professors, senior lecturers and lecturers, supervisors of practical classes and assistants. The new reform law in higher education ("loi d'orientation") adopted in 1968 will however bring about gradual changes in the teaching staff recruitment methods. Proposals for creating a single body of teachers headed by the professor down to the assistant have been put forward,
			Professors: They are appointed by decree of the President of the Republic on recommendation by the faculty council and the universities! consultative committee.  (a) Titular professors are recruited from among the lecturers and lecturers with an "agrégation" who have been in employment for at least 2 years.  (b) Associate professors are specialists who are not of French nationality or distinguished French personalities who do not however possess the required academic qualifications.
			Senior lecturers: The level of specializations required by senior lecturers varies with each faculty. In the faculties of law and economic science, of medicine and of pharmacy senior lecturers must have passed the "agrégation". The "agrégation" is a competitive recruitment examination for top level teaching posts in the three faculties mentioned above and is organised by them. In the faculties of arts and human science and the faculty of science a senior lecturer must hold a State doctorate and figure on the higher education teaching proficiency list, known as the "restricted list".
			Assistant lecturers: In the law and economic science faculties the assistant lecturers hold doctorate in law or economic science and politics and have for a minimum period of 2 years filled posts as assistants or have been supervisors of practical classes or have done 3 hours teaching per week and are registered on a national teaching proficiency list.
			In the faculties of science, arts and human sciences, they can hold a doctorate in arts, science, engineering, or have an "agrégation" or a 3rd cycle doctorate or are assistants who have been employed for a minimum of 3 years and are registered on a national proficiency list,
			Supervisors of practical classes: In the faculties of pharmacy and medicine, they hold doctorates in pharmacy, science, medicine or are qualified assistants who have been employed as assistants for at least 3 years and are registered on a national proficiency list,
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Teachers	Place of Training	Length of Study (in years)	Other Information
			Assistants: In the law and economic science faculties assistants do not have any official status but in practice they hold a 1st degree in law or economic science.
			In the faculties of medicine they must be doctors of medicine.
			In the faculty of science they require to be graduates in science and holders of a doctor of ergineering diploma or be engineers with a qualification enabling them to prepare a doctor of engineering diploma. In practice, however, the post of assistant is also open to secondary teachers with the "agrégation" to holders of a State doctorate, to holders of a 3rd cycle doctorate, to graduates who also hold either qualifications in engineering or a certificate of higher studies (DES) an advanced studies certificate (DEA) or a secondary teachers certificate.
			In the arts and human science faculties they must hold an arts 1st degree plus a higher studies certificate (DES) or equivalent or higher qualifications or be graduates from the national school of modern oriental languages, the practical school of higher studies or have a university arts doctorate. In practice, however, an assistant's post may also be assigned to secondary teachers who have passed the "agrégation".
Ecoles d'ingénieurs et autres "grandes écoles" (Schools of engineering and other "grandes écoles")			The teaching staff is made up of a core of university teaching stafi but also includes a number of specialists and technicians especially in schools of engineering.
Instituts universitaires de technologie (IUT) (University Institutes of Fechnology - IUT)	7		The teaching staff includes either civil servants who are part of staff in universities or other teaching institutions, or candidates chosen for their ability in any particular field of study.
Higher non-university type education (other than IUT)			The teaching staff is composed mainly of specialists and technicians and also of members of university teaching staff.

TEACHER'S TRAINING

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Teachers .	Place of Training	Length of Study (in years)	Other Information
			Training of teachers in private education This type of education consists of private secular instruction and, more commonly, private catholic instruction (known as "enseignement libre").
			Primary education: Before 1959 a great proportion of the teaching staff in these private institutions held only an upper primary certificate.
			Since then the possibility of a legal contract between these private establishments and the State educational system has been introduced. Teachers are now obliged to take the certificate of teaching proficiency (CAP) examination. Teachers are allowed 5 years to prepare the certificate for which courses are organised on a national or local scale. There are also correspondence courses. Teachers over 40, however, can be exempt from the written papers of the CAP. All new teachers in a private establishment under contract are obliged to have the full CAP.
			Secondary education: By the law of 31st December, 1959, teachers under contract (simple or associateship) are required to have the same qualifications as teachers in secondary State schools, namely a teaching diploma. New teachers are recruited only if they have this qualification. Religious IPES have been created as from 1964.
			Concerning technical and agricultural education, qualifications demanded have always been much the same in either the private or State system.
			The decree of 12th April, 1965, offers teachers in private institutions the possibility of taking the competitive examination for recruitment to State educational system in which case they enrol on a special list.

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(May 1971)

Compulsory schooling: 7 years, from the age of 7 to 14 (in fact 9 years in most of the municipalities)



ication	Years of	(8)		ı					1-7	8-9	8-9/10
0.E.C.D. Classification	Type of	כחחבשוות (ג)		Pre- primary		_		_	Primary	General secondary (b)	condary) or (b)
	Uther Information	(9)		Some nursery schools are set up on a private basis and on municipal Initiative. As a rule they receive	municipal aid and are subj lic contract. There are gr children under the age of other groups for children	years. The nursery school comes under the Ministry of Family and Consumer Affairs.			The majority of primary schools are State-run establishments. Local education authorities exercise a certain amount of freedom in the drawing up of syllabuses. As a general rule teachers too enjoy freedom of choice concerning their teaching methods. These schools are being phased out and are gradually being incorporated in the new "grunnskole" (9.year basic compulsory school).	When the introduction of the 9-year "grunnskole" is completed the "framhaldskole" will disappear.	All students must pass a public examination in the main fields, witer 2 years. Thereafter the pupil may enter the "gymnasium" or continue a 3rd year in the "realskole", It is possible to pass the "realskole" with only one language, English. (Usually the students are also taught German). In some districts there exists an intensive course leading to a complete "Realskole—eksamen" in 2 years. When the introduction of the 9-year "grunnskole" is completed, the "realskole"
/#"5	Part Time	9		There are gener-		2			Full time	Full	time
3	Certificate	(4)		ı					No examination	No examination	Realskole-eksamen qualifies for ad- mission to certain professional and technical colleges. and the "gymnasium"
Entrance	Requirements	(3)		ı		,			To be 7 years old. A child may begin a year later or start earlier, provided he has of reached the age of 6 before 1st July.	Finished 7 years in the "folkeskole"	finished 7 years in the "folkeskole"
Length of	Study (in years)	(2)						-	2	N	۵ د د
Type of Education	or Institution	(3)	1. Pre-primary education	1.1. Barnehager (Nursery school)			2. Primary and 1st cycle secondary education	2.1. Old system	2.1.1. Folkeskole (Primary school)	2.1.2. Framhald- skole (Primary continuation school)	2.1.3. Realskole (Intermediate school)



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ification	Years of Study	· @		1-6 1-7	7-9/10 or 8-9/10
O.E.C.D. Classification	Type of Education	(1)		Primary	General secondary (a)
	Other Information	(9)	Compulsory education which has been extended to 9 years will be enforced by all local authorities about 1975.  A new system has been introduced to replace the 7-year folkskole, the framhaldskole and the realskole. By 1969 about 85 per cent of the municipalities had introduced the new 9-arig grunnskole, consisting of "barneskolen" and "ungdomsskolen". The local authorities may choose between two systems, 6 + 3 years or 7 + 2 years, of which the former is the more popular.	These schools replace the "folkskole". At some schools there are test-courses for 6-year old children to ascertain if they are prepared to start at the "barneskole".	The classes remain unstreamed with elective courses in various subjects, five lessons a week in the 8th year and 12 in the 9th.  The teachers have a large degree of freedom in selecting teaching methods. During the 9th year, the pupils will work in companies for a limited period, in order to come to grips with a "working life".  This "ungdomsskole" will replace "framhaldskole" (primary continuation school) and "realskole" (intermediate school).  The 10th year of the "ungdomsskole" may be introduced by a local authority decision. By 1969 this last year had been introduced in more than 30 per cent of the municipalities.  In the 10th year, there are 16 optionvocational training.
	Full/ Part Time	(5)	Full time	Full time	time
	Certificate			No examination	Examination after 9 years in two fields. During the course standardized tests are held and the marks obtained at these tests form the basis for the evaluation in the fields where no State examinations are held. The certificate obtained gives accertificate obtained gives accertificate to further ecess to further nical schools, vocational trainning, etc.). To attend the gymnasium it will be necessary for the pupil to select German as a second language (English is compulsory).
Entrance	Requirements	(3)		Same conditions as for folkskole (see 2.1.1.)	Finished barneskole
Length of	Study (in years)	(3)		6 or 7	ν + ο + ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο
Tyne of Education	or Institution	(3)	2.2. New system - 9-årig Grunnskole (9-year basic com- prehensive school)	2.2.1. Barneskole (Lower level of comprehensive school)	2.2.2. Ungdomsskole (Upper level of comprehensive school)



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fication	Years of	<b>(</b> 6		1	_	0r 11-13
0.E.C.O. Classification	Type of	(2)		General secondary (b) (complementary)		General secondary (a)
	Other Information	(9)		The Folk high schools are developed along the same lines as the Danish "Folkehøjskole". The schools are mostly private, receiving State aid. There are different sections and also courses of shorter duration than 1 year. The schools provide general education and are mostly attended by the rural population.		The gymnasium is divided into several parallel sections:  "Reallinje" - (science) "English" - (English) "Sociallinje" - (English) "Norrønlinje" - (latin, with the addition to this, there is a comercial section at some schools (gkeonomisk gymnas) which is equivalent to the education offered at the "handelsgymnasium" (commercial secondary school). The majority opt for the Science or the English section.  There exists also a special "gymnasium" called "landsgymnas" which is a 4-year regional secondary school based on 7 years in primary and a 6-month continuation course.  A new law states that the "examen artium" can gradually be built up by sitting the necessary examination over a longer period of time.
	ruii/ Part Time	(5)		Full time		full time
	Certificate	(4)		No examination. Leaving certificate stating be- haviour and fields of study.		"Examen Artium" (2nd cycle second- ary leaving cer- tificate) giving access to higher education. For some fields of study at univer- sity level, cer- tain sections of the "gymnasium" are required. Students from must then sit an entrance examina- tion or follow pre-courses. Students attending "gymnasium" which are not recognized (privatister) must sit an exam in every subject (written or oral) to obtain the "examen artium" while other stu- dents only have an examination in
Entrance	Requirements	(3)		Finish compulsory education Age: 17		New system: completion of "grunnskcle" and have studied two languages. Old system: "realskole eksam- en" with two languages or enter directly after only 2 years in the "realskole". (Applicants with other qualifica- tions must sit an entrance examina- tion).
Length of	Study (in years)	(3)		1-2		M
Type of Education	or Institution	(1)	3. General secondary education = short course	3.1. Folkehøgskoler (Folk high schools) (Boarding schools)	4. 2nd cycle general secondary education	4.1. Gymnasium (2nd cycle secondary school leading to higher education)

	Ā									K .
ification	Years of Study	(8)	10-12 0 or 11-13		1-6 or	7-8/9	8-9 8-10			1 - 11 12 or 13 or varia- ble
0.E.C.D. Classification	Type of Education	6	General secondary (a)		6 or 7 years Special primary	3 or 2 years Special general secondary	Special General secondary (b)			Technical secondary (b)
	Other Information	(9)	The education given here is of general nature, thus giving access to higher education at university.  In addition to the regular courses, commercial and secretarial courses for students are provided. (See 6.3.3 and 6.3.4.).	There are special schools for deaf and partially hearing, blind and par- tially sighted, defective speakers and educationally sub-normal.	Some special schools are private receiving State aid. There are also special classes at some ordinary schools.		This type of school will disappear when the 9-year trunnskole is fully introduced.		Experiments are being carried out with a view to combining vocational training (yrkesskoler) and general education (gymnas).	Most of the courses last 1 year but they are increasingly being extended to 2 years. The "verkstedskole" is usually attend- ed before starting as an apprentice.
	Full/ Part Time	(5)	Full time		Full time		Full time	_		Full time
	Certificate		See 3.1.		Examination		No examination			Certificates are an arded allowing a reduction of between 12-26 months in apprenticeship.
Entrance	Requirements	(3)	See 3.1.		7 years old		Completion of 7 years of primary school (the old "folkeskole")			Completion of compulsory school
Leagth of	Study (in years)	(2)	W		7 + 2 or 6 + 3		1, 2 or			40 L
Tyne of Education	or Institution	(3)	4.2. Handelsgym- nasium (Commercial secondary school)	5. Spesialskoler (Special schools)	5.1. Grunnskole (Basic comprehen- sive school: pri- mary and 1st cycle	secondary)	5.2. Framhald- skoler (Trimary continuation schools)	6. Technical and vocational secondary education (Fag-og yrkesskoler)	6.1. Yrkesskoler for handverk og industri (Vocation- al schools of handicraft and industry)	6.1.1. Verksted- skoler (Workshop schools)



•				-			
Two of Education	Length of	Entrance				O.E.C.O. Classification	fication
or Institution	Study (in years)	Requirements	Certificate	Full/ Part Time	Other Information	Type of Education	Years of Study
(1)	(3)	6	( <del>f</del> )	(2)	. (9)	ω)	(8)
-			Upon passing "fullstendig ve~kstedskole" (completed course) the pupil becomes a skilled worker or receives the journeyman's certificate with- out apprenticeship.		There are different sections for bakers, electricians, iron and metal workers, bricklayers, etc. There are also courses for technical assistants and a special foreman-achool of year. Some schools are private, reciping State aid. The workshop school may also serve as a pre-course to "tekniske fagskole" and "tekniske skoler" - 3 years.		
6.1.2. Bedrifts- skoler (Vocational industrial school)	\$-\$	Finished compulsory scry school	See · 6.1.1.	Full	These schools run courses similar to those of the "verkstedskole",	Technical secondary (b)	10-11, 12 or 13 or variable
6.1.3. Laerlinge- skoler (Schools for apprentices)	7-6	Finished compulsory school	An examination held in the compulsory fields. A practice test must also be passed before the certificate of skilled worker or journeyman is obtained.	time time	This type of school has a decreasing importance as the number of "verkstedskoler" is increasing. Courses are usually held 1 day a week, Pupils who have attended courses from the "verkstedskole" can usually shorten their period of study at the "lasr-lingsskole". The 4th year of the mester" (foreman). All apprentices in crafts and industry must attend an apprentice school if there is one in the neighbourhood, unless they have the neighbourhood, unless they have a school by some other means.	Technical secondary (b)	10-12 or 13 or variable
6.1.4. Elementaer- tekniske skoler (Elementary tech- nical schools)	~	Completion of compulsory school. Age: 17	Leaving certificate	Full	There are different sections, the instruction being both theoretical and practical. Usually the students have several years of practical experience. Special 2-year evening courses are also offered.	Technical secondary (b)	Variable
6.1.5. Tekniske Fagskoler (Techni- cal trade school)	α	Completion of compulsory school, At 3: 16 Entrance examination.	Having passed examination the title "tekniker" (technician) is obtained	time time	There are different sections, about half the time is spent in practical training. Usually the students have some years of practical experience. Revision of the school is planned, to bring it in line with the 9-year "grunnskole". The number of sections will be increased, practical experience will be required before entrance and besides the ordinary 2-year course an evining course of 4 years is planned. This new "tekniske farskele"	Technical secondary (b)	10-11



Type of Education	Length of	Entrance				O.E.C.D. Classification	lication
or institution	Study (in years)	Requirements	Certificate	rull/ Part Time	Other Information	Type of	Years of
6	(2)	(3)	€	(5)	(9)	6	<b>( 6</b>
				-	will replace both the existing one and the "elementaer tekniske skoler".		
6.1.6. Husflids-og heimeyrkeskoler (Schools of handi- crafts and trade)	Max, dura- tion of the course 10 months	Completion of compulsory school	Pupils can subsequently continue their education at more advanced schools	Full time	The main purpose for these schools is to give the youth of the country-side practical training for their future work in agriculture, forestry or fishing. There are also special scurses for women. Most of the schools started as private schools but have since obtained State grants.	Technical secondary (b)	3
6.1.7. Handverks-og Kunstinduştriskoler (Schools of applied art)	3-4	Completion of compulsory school	Leaving certificate	Full	These schools usually offer a basic 1-year course followed by a special- ized 2- or 3-year course,	Technical secondary (b)	10-12, 13 or variable
6.2. Fagskoler for Landbruket (Agricultural Education)			The different certificates give access to corresponding courses at the State College of Agriculture		The courses are of variable duration and are divided into theoretical and practical courses. The schools are under the supervision of the Ministry of Agriculture.		
6.2.1. Landbruks- skoler (Agricul- tural schools)	41	Completion of compulsory school and 1 year of practical experience Age: 18	Leaving certificate (see 6.2.)	Full	There are different courses, At some schools, new courses are introduced on an experimental basis,	Technical secondary (b)	10-11
6.2.2. Gartneri-og Hagebruksskoler (Horticultural schools)	-443 -443	Completion of ccm- pulsory school. Variable require- ments of practical experience (never less than 21 years) and of age (15 to 18 years) for different schools.	Leaving certificate (see 6.2.)	Full time		Technical secondary (b)	ţ
6.2.3. Skogskoler (Schools of forestry)	-	Completion of compulsory school, 14 years of practical experience Age: 18	Loaving certificate (see 6.2.)	Full	There is also a school for the education of skilled forestry workers, offering courses of 10-12 weeks duration.	Technical secondary (b)	Ct



ication	Years of	(9)	10-1, cr 12		5	ō.	<del>z.</del>	×
D E.C.D. Classification	Type of Education	(2)	Technical necondary (b)		fechnical secondary (b)	rechnical secondary (b)	Technical secondary (a)	rechnical recondury (b)
	Other Information	(9)	Two courses are offered for dairy-women and one for dairy technicians.		There is also a 2 or 3 year evening course. A special continuation course in marketing of 1 year fulltime or 2 years part-time is also The basic course (1 year) offers various options.	There is also a shorter course of half a year "handelsskolene" offering an education almost equal to "yrkesskole for handels-og kontorfag". A revision of commercial education is planned, and these two different schools may be united.	Those courses are usually provided by the "handelsymnasium" or "handels-skolor", Students from sections other than the commercial one who wish to qualify for the Horwegian School of Economics and Business Administration usually follow such a course, From 1970/71 a 1-year "Economic College" has been offered at Uslo Handelsgymans This course also requires "examen artium", Plans exist for prolonging this course by 1 year.	Theso courso are usually established by the "handelsgymnasium" or the "handelsskoler",
	Full/ Part Time	3	Full		Full time	Full	timo	Full
	Certificate	(1)	Leaving certificate (see 6.2.)		Having passed the examination, the student meets the theoretical retain "handelsbrev" (commercial letter) which is necessary to establish an independent trade	Leaving certificate	Examination	Examination
Fulcade	Requirements	(3)	Completion of compulsory school		compulsory school	Completion of compulsory school	Examen artium	Examen artium
Length of	Study (in years)	(2)	2-34		7	~	-	
Tues of Education	or Institution	(0)	6.2.4. Meieriskoler (Dairy schools)	6.3. Commercial education (Merkan-tile skoler)	6.3.1. Yrkesskole for Handels-og Kontorfag (Voca- tional school of commerce)	6.3.2. Handels-skoler (Commercial schools)	6.3.3. Fagkurs for studenter (Commer- cial course for students)	6.3.4. Sekretar– skole for studenter (Secretarial course for students)

ification	Years of Study	(8)		<u>ي</u>		10/2	Ć	21/12	95		1	
0 E.C.D. Classification	Type of Education	10		Fecknical secondary (E)		Technical secondary (E)	Technical secondary (b)	Technical secondary (b)	Technical secondary (b)		Technical secondary (b)	
	Other Information	(9)		These schools provide both a demetic science course and also serve as a pre-course for other schools. There exist also schools for further demetic science education, "Husmorvikarskoler", "Tratens Kjokkensjefskoler" and "Statens skole for Kostholdøkenomer".							There exists also an advanced course of 5 months requiring 4 years of practical experience.	
	Full/ Part Time	(5)		full		Full	Full time	Full	Full		Full	
	Certificate	(1)		Leaving certifi- cate giving access to various nursing schools		Auxiliary nurse	Medical secretary	Child nurse	Dentist's nurse		Cook or waiter	
Futcane	Requirements	(3)	•	Completion of compulsory school. Age: 16 or at some schools 18 years		Having attended a domestic science school (‡ or 1 year) Age: 18	Completion of compulsory school	Domestic science school of † year Age: 18	Compulsory school	_	Compulsory school and 2 years of practical experience	
Length of	Study (in years)	(2)		45 0 1		8 months	10 months	다. 다.	<del></del>		3 months	
	ryperor coucation or Institution	Θ.	6.4. Domestic science (Skoler for husstell m.v.)	6.4.1. Fasskole i husstell (Schools of domestic science)	6.5. Social medical education (Skoler for helsestell og sosialt årbeid)	6.5.1. Hjelpepleier skoler (Elementary school of nursing)	6.5.2. Kontorsøster (Nedical secretary school)	6.5.3. Barnepleie- skoler (Schools or child nursing)	6,5.4. Tannpleie- ku.s (Course for dentil nurse)	6.6. Hotel schools	6.6.1. Norsk Hotel- fagskole (School for hotel service)	



O.E.C.D. Classification	Type of Years of			Technical Variable secondary (b)	Technical Variable secondary (b)	Technical Variable secondary (b)	Technical 10 secondary (b)	Technical 10 secondary (b)
	Other Information	(9)	A revision of maritime studies is planned.	Also a course of 3 months exists for 15-year old boys. 1-year course for radio telegraphists is also offered.	There are also two fishers' courses each of 10 nonths duration.	The school offers three courses; a cook course, a basic course, and a higher steward course, Each course lasts 1 year,	There is also a 3-month course available for those with a diploma from a workshop school or various technical schools.	Instruction is arranged in special branches for masters of fishing vessels, engineers and cooks.
	Full/ Part Time	(5)		Full time	Full	Full	time time	Full
	Certificato	(1)		There are independent courses at different levels, and different certificates are obtained (mate's examination, master's examination, etc.)	Independent courses at different levels leading to differ- ent certificates	Cook or steward certificate provi- ded necessary practical exper- ience at sea has been completed	Ship electrician	
Entrance	Requirements	(3)		Compulsory school, 36 months of practical experience at sea is necessary to obtain any certificate.	Compulsory school. 18 months of practical experience obtain any certificate.	Compulsory school and 2 years of practical experience Age: 17	Compulsory school and practical experience is necessary to obtein a certificate, Examination from various technical schools may replace part of the practical experience required.	Compulsory school and 1 or 2 years of practical ex- perience after the age of 15 years
Length of	Study (in years)	(2)		4-1	£-4	1 2	-	-ta
Type of Education	or Institution	(3)	6.7. Maritine studies (Maritime skoler)	6.7.1. Navigasjons- skoler (Navigation schools)	6.7.2. Waskinist- skoler (Schools for maritime engineers)	6.7.3. Kokk-og Stuertskoler (Schools for cooks and stewards)	6.7.4. Skipselek- trikerskole (School for ship electri- cians)	6.7.5. Fiskerfag- skole (Fishery schools)



cation	Years of Study	(8)	10-13	13-14	√ariable				
O.E.C.D. Classification	Type of Education	w	Higher non- university		Higher non-Variable university (education)	Higher non- university (education)		Higher non- university (fine arts)	Technical secondary (a/b) or iligher non-university (fine arts)
	Other information	(9)	There are two sections, one general and one Entlish,	At some colleges experimental courses of 3 years instead of 2 are given for holders of "examen artium". The colleges are all public, except for the newly established "Norsk laererakademi",	There are teachers colleges for: - Physical education - Handicrafts & drawing - Domestic science - Music - Arts & crafts and a - College for primary teachers of handicapped children ("Statens spesiallarerskole"),	Besides the main course of 2 years, other specialized courses are offered,		There are plans for prolonging the course by 1 year.	There exists a variety of schools, private and public. The education given covers different levels.
	Full/ Part Time	(5)	Full time		Full time	Ful). time		Fvll time	Full time
	Certificate	(4)	Teachers certifi- cate to teach in the "grunnskole",	This certificate gives access also to various specialized primary teachers! training colleges and to the State college for secondary teachers.		Examination		Leaving certificate	Variable
Entrance	Requirements	(3)	Compulsory school and entrance examination	Ium'il ars	There are different entrance conditions according to the colleges; journeyman's certificate, examen artium, teachers certificate, etc.	"Examen artiun" or equivalent and an entrance test		Entrance examination Age: 18	Compulsory school
Length of	Study (in years)	`(2)	7	N	2 2 2	G		М	Vari- able
T. C.	lype of Egucation or Institution	(1)	7. Teacher training 7.1. Alminnelige laererskoler (Primary teachers)	training colleges - general subjects)	7.2. Spėsial-og faglaererskoler (Specialized primary teachers! training colleges)	7.3. Norges Idrettshøgskole (College of physi- cal education)	8. Higher vocation- al and technical education 8.1. Artistic education	8.1.1. Statens Kunstakademi (The State Academy of Fine Arts)	8,1.2, Musikkskoler (Musicians schools)



fication	Years of	(8)	J								
D.E.C.D. Classification	Type of	C00Cation (3)	Higher non- university (fine arts)		Higher non- university (medical	sciences)		Higher non- university (medical	Higher nan- university (medical sciences)	Higher non- university (medical sciences)	Higher non- university (medical sciences)
	Uther Intormation	(9)	A 2-year opera course is also offered,							There exists also a private institution "Norsk Mensendieckskole A/S" giving education in the same fields.	
i i	Part Time	(9)	Full time		Full	_		Full time	Full	Full	Full time
	Certilicate	(1)	Leaving certificate		Diploma in nursing			Midwife, nurse of psychlatry, etc.	Certificate giving caccess to the Training College for teachers of handicapped children ("Statens spesiallaererskole)	Physiotherapist	Laboratory technician
Entrance	Requirements	(3)	Fntrance examination Age: 17		Completion of 9-year "grunnskole" and 1 or 2 years at a folk high	school or domestic science school. Old system: "realskole" and	school.	Finish the general school of nursing	Compulsory school, courses of domestic science and nursing, each of tyear duration.  **pea** of the control of	cal	"Examen artium" or general nursery school, 4 months of practical experience Age: 18-30 years
Length of	otony (in years)	(2)	ĸ	v	W			7-	N	2 or 23	N
Type of Education	or Institution	(0)	8.1.3. Statens Teaterskole (The State College of Theatre)	8.2. Para-medical or social education	8.2.1. Grunnskoler i sykepleie (General schools of nursing)		·	8.2.2. Spesial skoler i sykepleie (Specialized school. of nursing)	8.2.3. Barnevern- skoler (Schools of child social welfare)	8.2.4. Fysiotera- peutskoler (Colleges of physiotherapy)	8.2.5. Laboratorie- tekniker kurs (Course for labora- tory technicians)



_	Years of Study	8)							
O.E.C.D. Classification	Type of Yea	(3)	Higher non- univers_ty (medical sciences)	Higher ron- university (social sciences)		Higher non- university (tech- nology)	Higher non- university (tech- nology)		Higher non- university (social sciences)
	Other Information	(9)	The course consists of 2 years of practical training and 1 year of theoretical studies.	"Diakonihjemmet" (Deacon institution) offers a course of 54 years, combining the education of "sosionom" and "diakon" (social and ecclesiastical subjects).		The schools may also run a preparatory course. At some schools there are 2-year courses for those with "examen artium". Usually the applicants have practical experience of more than 1 year. There exist different sections at the various schools. "Ship technician's school" is only available for students with "examen artium". This course lasts 2 years.	This is a private institution.		This is a private institution, which also offers a variety of full and part-time courses.
	ruii/ Part Time	(5)	Full time	Full time		time	Full		Full
	Certificate	(4)	Diploma entitling holder to work in a chemist's shop (but not to run one)	Sosionom (social worker)		These schools award the title of "ingeniør" (engin-eer), giving access to the Technical University	This course is followed by 2 years of study in U.S.A. qualifying for the degree of full engineer" (university level),		Examination
Ectance	Requirements	(3)	"Examen artium"	"Examen artium" or equivalent. Age: 19		New system: Completion of School; School; "Realskole eksamen".  1 year of practical experience is also required but the "verksted- skole" may be con- sidered equivalent,	"Examen artium"		"Examen artium"
Length of	Study (in years)	(3)	М	2½ or 3		W	N		M
Tune of Education	or Institution	<b>(3</b> )	8.2.6. Reseptar- utdanning (Training of pharmaceutical assistants)	8.2.7. Socialskoler (Schools of social services)	8.3. Technical education	8.5.1. Takniske skoler (Technical schools) Main sections: building electricity machine chemistry heating and sanitary	8.3.2. Schou's Tekniske Institut: (Schou's Technical Institute)	8.4. Economic and commercial education	8,4,1, Bedrifts- økonomisk Insti- tutt (The Insti- tute of Business Economics)

	lenoth of					0.E.C.D. Classification	ation
Type of Education or Institution	Study (in years)	Entrance Requirements	Certificate	Full/ Part Time	Other Information	Type of	Years of Study
(3),	(2)	(3)	(4)	(2)	(9)	6	(8)
8,4,2, Revisor- skoler (Auditing schools)	ν + ω	"Examen artium" (commercial section) or certificate from another section, supplemented by a commercial course of 1 year	There are two levels, "regist- rert" and "stats- autorisert revisor" of which the first level, exam is taken after 2 years and the higher level after 3 more years	Full time	During the whole period of study, the student is trained in practical auditing.  To audit in companies above a certain size, it is necessary to be "stats—autorisert revisor".	Higher non- university (social sciences)	
8.5, Other establishments				_			
8.5.1. Norsk Journalistskole (The State School of Journalism)	7-	"Examen artium" practical ex- perience is preferable Age: 18	Examination	Full		Higher non- university (social sciences)	
8.5.2. Husholdshøg- skole (Nordisk) (Scandinavian College of Domestic Science)	5 42	"Examen artium"	Nordisk Husholds- kandidat (Candida- tus Domesticus)	Full time	Limited places. This college offers courses at different places in Scandinavia. A course of domestic science is available at the University of Oslo.	Higher non- university (social sciences)	
8.5.3. Statens Bibliotekskole (The State Library school)	М	"Examen artium"	Dxamination	Full time	The study period consists of 1 year practical work and 2 years of theoretical studies.	Higher non- university (humani- ties)	
8.5.4. Misjonskolen i Stavanger (Stavanger Mission- ary school)	+t2	"Examen artium"	After 42 years at this school the student continues for 12 years in the faculty of scone cand theol)	Full time		Higher non- university (humani- ties)	
8.5.5. Kistrikthøg- skolene (District colleg.s)	~	"Examen artium"	Examination	time time	A few colleges were established in 1969. This type of "post-gymnasial" education is completely new. The idea is to offer independent courses in different fields. Having passed the examination the student may continue at a university. The "distrikhøg-skolene" must be regarded as a result of the re-structuring which is taking place in the system of higher	Higher non- university (social sciences)	



D.E.C.D. Classification	Other Information Type of Years of Education Study		offered all over Complemen- Variable ages, art, music, tary are typical education		d into 2 terms is a general pre- on in philosophy t Norwegian univer- dentistry and	degrees ("licentiate" conferred not on	uccessful completion burses, but on re- nt research work sis approved by the ttee of experts.	uccessful completion burses, but on re- at research work sis approved by the ttee of experts. leading to the lty degree. The tting different ub- tind degree of fie us fields can be at levels:	ucressful completion  urses, but on re-  it research work  is approved by the  tree of experts.  les for the compo- leading to the  tty degree. The  sting different ub-  tin degree of fie  us lields can be  it levels:  am Level)  me Level)	s successful completion courses, but on re- ndent research work muittee of experts.  rules for the compo- rse leading to the rsity degree. Th ilecting different ub- ritain degree of fil ritain degree of fil irent levels;  ' Level)  chigh Level)  (High Level)
		(9)	There are courses offered all over the country. Languages, art, music, philosophy, etc., are typical subjects.		The year is divided into 2 terms (semester). There is a general preparatory examination in philosophy for all students at Norwegian universities (exception: dentistry and pharmacy).	The post-graduate de	and doctorate) are ( the basis of the su of post-graduate col sults of independent presented in a thesi Faculty or a Commiti	and doctorate) are conferred not on the basis of the successful completion of post-graduate courses, but on re- sults of independent research work presented in a thesis approved by the Faculty or a Committee of experts. There are exact rules for the compo- sition of a course leading to the award of a university degree. The possibility of electing different ub- jects gives a certain degree of fie.:- ibility. The various fields can be studied at different levels:	and doctorate) are conferred not on the basis of the successful completion of post-graduate courses, but on results of independent research work presented in a thesis approved by the Faculty or a Committee of experts.  There are exact rules for the composition of a course leading to the composition of a university degree. The possibility of electing different ubjects gives a certain degree of firstudiality. The various fields can be studied at different levels:  Grunnfag (Low Level)  2 Semesters  Mellomfag (Medium Level)  3 Semesters  Havedfag (High Level)	and doctorate) are confethe basis of the success of post-graduate courses sults of independent respected in a thesis appresented in a thesis appresented in a course lead award of a course lead award of a university depossibility of electing jects gives a certain de ibility. The various fiblility. The various fibrility. Semesters. Magistergrad (High Level) & Semesters.
1	Part Time	(2)	Part time	×	Full time					
	Certificate	(4)	Variable			"Treen trace" degrees	(exceptions den- tistry, medicine and veterinary medicine) and the degree of doctor.	(exceptions dentistry, medicine and veterinary medicie) and the degree of doctor.	(exceptions dentistry, medicine and vertinary medicine degree of doctor.	(exceptions den- tistry, medicine and vereinary medicine) and the degree of doctor.
Entrance	Requirements	(3)	15 years of age		"Examen artium" or certificate from special military schools or equivalent foreign certificate					
Length of	Study (in years)	8	Vari- able							
Type of Education	or Institution	(3)	9. Complementary education 9.1. Folked miversitet (People's waver- sity)	10. Universitles and equivalent institutions	10.1. 'miversitetene in Oslo og Bergen (The Universities of Oslo and Bergen):		-			



(3

0.E.C.O. Classification	Type of Years of	_		Higher non- university (humani- ties)	Higher	(humanities)		(law)
	Other Information	(9)	two subjects at the level of "mellom- fag" and one subject at the level of "grunnfag". To become "cand. philol" he must elect one subject at each of the three levels "grunnfag", "mellom- fag" and "hovedfag". In "hovedfag" the student must do, in close co-operation with a professor, independent written work ("hovedfagsoppgave") which will be assessed.	This course is compulsory for all High university studies, except pharmacy uniand dentistry. Some students leave the University after having passed this exam.		in Latin, Greek and Hebrew. Students (flun	irom the Latin section are exempted from the Latin course and also the course in Greek if they have passed an exam in Greek in the "gymnasium". The main course is divided into two parts, each ending with an exam, and the final exam is usually taken after 6 years. The last year is spent at the "praktisk - teologisk seminar" to have a year of practical training as a priest.	
ì	Full/ Part Time	(9)	ttwo frage frage vertege vertege vertege	This univ and the the this	u oN	in L	from the from the control of the con	from from court examment from main each fine. Year, "prain year, "prain year, "no n n n n n n n n n n n n n n n n n n
	Certificate	(3)		Examination	Cand. theol			Cand-jur,
of Entrance		(3)						
	Study (in years)	(3)		se)	7			ι <sub>ν</sub>
Type of Education	or Institution	(1)		10.1.1. Forberedende prøver (General preparatory course)	10.1.2. Teologi (Theology)	-		10.1.3. Jus (Law)



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ins.	Numerus clausus.  There is a special preparatory course in Latin. The course is divided into two parts, each ending with an examparating passed the exam there is 1½ years "turnustjeneste" (compulsory practical work for 1½ years).  Because of limited places, many Norwegians are studying abroad.  No numerus clausus. There is a special preparatory course in Latin. Also courses in "science of languages" and "phonetics" are obligatory.	(5)  Numerus cla There is a in Latin. two parts, Having pars years "turn practical v Because of Norwegians	Cand. med.  Cand. med.  Cand. med.  There is a in Latin. two parts, Having pass years "turp practical verse of Norwegians of Norwegians	(3) (4) (5) Numerus cl: ections card, med, in Latin, two parts, agin, the write, the wri	(4) (5) Cand. med.  Cand. med.  There is a in Latin. two parts, two parts, having pass years "turn practical y Because of Norwerians of Norwerians.
Sedentia 1	Numerus cli There is a in latin, two parts, Having pas, Having pas, Practical, Because of Norwegians No numerus There is a in latin, of languag		Cand, med.	Cand, med.	Students from Cand, med, other sections than the "Realinge" "Naturfaglinge" must sit a writen examination in mathematics and physics
Sp	No numerus There is a in Latin. of language obligatory.				
<b>5</b> 5		ed re ri	ke Re ard of of ain	-5 years mag." -7 years philol." ttendance edagogiske for half after the mag." or philol. o the award degrees of tr. and tr. and tr. and tr. and tr. and tr. and tr. to spe- t to spe- d is 5-7	-5 years mag." -7 years philol." ttendance edagogiske for half after the mag." or philol. o the award degrees of tr. and tr. and tr. and tr. and tr. and tr. and tr. to spe- t to spe- d is 5-7
: clausus. : special preparatory tics. different sections: ics y y y & Geology	No numerus clausus. There is a special preparator in mathematics. There are different sections: - Mathematics - Physics - Chemistry - Geography & Geology - Biology		Cand. mag. 3½ yrs. Cand. real 5½ yrs. After ½ year at- tendance at "pedar tendance at "pedar gogisk saminar" There are the degree of "ad- junkt" or "lektor" is obtained. (see Philology) - Geograph - Biology		

	l enoth of					1 DFCD Classification	į
Type of Education or Institution	Study	Entrance Requirements	Certificate	Full/ Part Time	Other Information	Type of	Years of
. 8	(III yeals)	(3)	(5)	-	9	Education	Study 183
				3	(A)		(6)
			"Mag scient" is a degree for those who want to specialize in certain fields. Length of study is 5-7 years.				
10.1.8. Aktuarfag (Actuary)	ø		Cand, actuar,	*	No numerus clausus. After 2½ years "Forsikringstekvisk eksamen" is taken, giving access to work in insurance companies.	Higher . University (social sciences)	
10.1.9. Farmasi (Pharmacy)	rv.		Cand. pharm.		Numerus clausus.	(medical	
					Studies are divided into three parts, each of 1½ years duration, and each ending with an examination. Since 1969 the course has been re-organised and divided into two parts each lasting 2½ years.		
10.1.10. Odontology (Dentistry)	to.	Examen Artium from sections other than "Real- linjen" or "Natur- faglinjen" means that the student must sit an entrance examina- entrance axamina- tion in "athe- matics and physics	Cand. odont.			(medical sciences)	
10.1.11. Pedegogisk (Pedagogy)	7	Practical experience and/or studies amounting to 3 years	Cand. paed. Mag. Artium: 6-7 years.		Studies are divided into four parts, (each ending with an examination.	(education)	
10.1.12. Psykologi (Psychology)	46		Cand. psychol Mag. Artium 6 years.		Studies are divided into two parts, each ending with an examination.	(humanities)	
10.1.13. Etnografi (Ethnography)	2-9		Mag. Artium			(humanities)	
10.1.14. Sosiologi (Sociology)	ø		Mag. Artium			(social sciences)	



Type of Years of Education Study
Educati
Pather internation
Part Time (5)
Certificate (4)
Requirements (3)
Study (in years)



fication	Years of Study	(8)			
D.E.C.D. Classification	Type of Education	(3)	Higher university (technology or archi- tecture)	Higher university (agricul- ture or technology, surveying)	Higher university (architec- ture)
	Other Information	(9)	Numerus clausus.	Numerus clausus.	Numerus clausus,
) (""	Part Time	(5)		<del>-</del>	<u> </u>
	Certificate	(1)	Siviløkonomi (Civil Engineer) or Arkitekt (Architect)	"Sivilagronom" (Agricultural engineer); "Hagebrukskandidat" or "Hagebrukark- itekt" (Horticult- ural engineer); "Meieringenigr" Forstkandidat" "Jordstry engineer);	Arkitekt (Architect)
Entrance	Requirements	(3)	"Examen Artium" from the section of science or from blology/chemistry section, or equivalent foreign education. Stu- dents from technical schools are also admitted	"Examen Artium" from the science or biology/chemis- try section or education or education from a corresponding sec- tion at a school All applicants must have 2 years of practical ex- perience. Time spent in a school of agriculture from total length of practical ex- will be deducted from total length of practical ex-	"Examen Artium" from the science section and an entrance test
Length of	Study (in years)	(2)	S- <del>4</del> 7		rv .
Type of Education	or Institution	(1)	Tekniske Høgskole (The State Insti- tute of Technology) Sections: - Architecture (Arkitektur) - Mining (Bergteknikk) - Building (Bygningsteknik) - Elect, Engineer- ing (Elektro- teknikk) - Chemistry (Kjemi) - Kjemi) - Rochanics (Rashinteknikk) - Applied physics (Teknisk fysikk)	lo.2.6. Norges Landbrukshøgskole (The State College of Agriculture) Sections: - Horticulture (Hagebruk) - Agriculture (Jordbruk) - Dairying (Meieridrift) - Forestry - Korestry - Surveying (Skogbruk) - Surveying	10.2.7. Statens Arkitektskole (The State College of Architecture)

cation	Years of Study	<b>6</b>						
D.E.C.D. Classification	Type of Education	6)	Higher universily (humani- ties, pure sciences, education)	Variable				
	Uther Information	(9)	This college provides courses in certain subjects, leading to regular university-level 1st and 2nd degree: Subjects: Filologi (Philology) Realfag (Science) Pedagogikk (Pedagogy) Forberedende prøve (General preparaforberedende prepa	University-statistics. The following institutions provide education in more or less specialized fields, and many of them are run privately. Statistical data is often difficult to obtain.	2-year courses for technicians of radio, film and T.V.	The institution offers different courses on various levels.	Courses of 1 and 2 years are offered, practical experience is required.	At these schools there are apecial courses of variable duration for people who work in the public services,
C	Part Time	(S)	Full time					
	Certificate	(7)	See university					
Entrance	Requirements	(3)	"Examen Artium" or "lacrerprove" (Teachers! certificate) or equivalent "Applicants with "lacrerprove" are preferred.					
Length of	Study (in years)	(3)	Vari- able					
Type of Education	or Institution	6	10.2.8. Norges Lacrehøgskole (The State College for Secondary Teachers)	11. Other Institutions	11.1. Norsk Rikskringkasting (Norwegian Broadcasting)	11.2. Bankakademiet (The Academy of Banking)	11.3. Markedsføring- skole (Marketing schools)	(Administration schools) - Jernbaneskoler (Railway) - Tollskoler (Customs) - Postskoler (Post) - Telegrafskoler (Telegraph)



fication	Years of Study	(9)	,
D.E.C.D. Classification	Type of Education	(3)	
	Gther Information	(9)	The military schools offer courses of variable duration, and at different levels. Some courses are well suited for civil employment.  There are several schools offering a variety of courses.
	Full/ Part Time	(5)	
	Certificate	(4)	
Fotrance	Requirements	(3)	
Length of	Study (in years)	(2)	
Time of Education	or Institution	(3)	skoler (Military schools)  - Haerens ingeniør- skole (The Technological School of the Army) - Krigsskoler (Officers' School - the Army) - Luftkrigsskoler (Officers' School - the Alr Force) - the Alr Force) - Sjøkrigsskoler (Officers' School - the Navy) 11.6. Brevskoler (Correspondence courses) 11.7. Misjonsskoler (Missionary schocls)



Fields of Study	D.E.C.D. Classification	Fields of Study	D.E.C.D. Classification
Universities of Oslo and Bergen and The State College for Teachers of Trondheim  1. Historisk - filosofisk fakulter (Faculty of history and ability of history a		Runologi (Runology) Russisk (Russian) Samfunnskunnskap (Social sciences) Samfunnsøkonomi (Economics)	Humanities , Social science
Allmenn litteraturkunnskap (General literature studies)	Humanities	Samisk (Lappisn) Sammenlikn, indo-europeisk språkvitenskap (Comparative studies of indo-european linguistics)	Humanities "
Allmen språkvitenskap (General linguistic studies) Arkeologi, klassisk (Archaeology, classise)	= =	Sammenlikn, politikk (Comparative studies in	Social science
Arkeologi, nidesish (Archaeology, classical) Arkeologi, nordisk (Archaeology, nordic) Bulgarsk (Bulgarian)	: 2 :	Semittisk sprakvitenskap (Semitic linguistics) Serbokroatisk (Serbo-Croat)	Hunanities "
Engelsk (English) Etnografi (Ethnography)		Scalatantropologi (Social anthropology) Slavisk filologi (Slav philology) Sosiologi (Sociology)	Social science Humanities Social science
Finsk (Finnish) Finsk-ugrisk språkvitenskap (Finnish-ugric	Social science Humanities	Spansk (Spanish) Språkvitensk med fonetikk (Linguistics with phonetis)	Hunanities
linguistics) Folkeminnevitenskap (Folklore) Fonetik (Phonetics) Fransk (French)	= = =	Statsvitenskap (Political science) Teatervitenskap (Theatre science) Tsjekfisk (Czech)	Social science Humanities
Geografi (Geography) Germansk filologi (Germanic philology) Gresk (Greek) Gaelisk (Gaelic)	Social science Humanities	2. Matematisk-naturvitenskapelige fakultet (Faculty of pure sciences)	:
Historie (History) Idehistorie (Political history) Indisk (Indian)	===	Astronomi (Astronomy) Biologi (Biology) Botanikk (Botany)	Pure science
Japansk (Japanese) Keltisk språkvitenskap (Celtic linguistics) Kinesick (Chinese)	= = =	Fysikk (Physics) Geofysikk (Geophysics)	= = 6
Kirkehistorle (Church history) Kriminologi (Criminology) Kristendomskunnskan (Christianity)	Social science	Googlass (Geology) Kjeni (Chemistry)	Social science Fure science
Kunsthistorie (History of fine arts)		Limnologi (Limnology) Mematikk (Methematics) Wekanikk (Mechanics)	
Litteraturhistorie (History of literature) Logikk (Logic) Nusikk (Nusic)	= = 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Statistikk (statistics) Zoologi (Zoology)	Social science Fure science
Nederlandsk (Dutch) Nordisk, saerlig norsk, språk og litteratur (Scandinavian, especially Norwegian, language	Humanities		
and liverature) Nordisk språkvitenskap (Scandinavian linguistics)	=		
Norrøn filologi (Nordic philology) Pedagogikk (Pedagogy) Polsk (Polisk)	Education		
Psykologi (Psychology) Religionshistorie (History of religion) Rettshistorie (History of law) Romansk filologi (Romanic philology)			
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# TEACHER'S TRAINING

Teachers	Place of Training	Length of Study (in years)	Other Information
1. Barnehager (Nursery schools)	Barnevernsskoler (Child welfare training schools)	8	To enter the "barnevernskole" the candidate must have finished compulsory school, attended courses of domestic science and nursing, each of , year duration and have \$\frac{1}{2}\$ year practical experience. The age limit is 20 years and most of the applicants admitted have their "examen artium". The examination gives access to the Training College for Teachers of children in special classes. ("Statens Spesiallaererskole").
2. 9-årig Grunnskole (9-year basic comprehensive school)			
2.1. Barneskolen (Lower level of comprehensive school)			
- General subjects	Alminnelige Laererskoler (Primary teachers' training colleges)	2, 3, 4	The 4-year course is available for candidates with the "Realskole certificate". Here there is an entrance examination and the student must have reached the age of 17.  The 2-year course is offered to students with "examen artium". The age limit is 19 years. Usually there are two sections, a general and an English one. For the latter "examen artium" from the English section is usually required - and the English course gives competence for teaching English in the "Grunnskole".
			At some schools an experiment is in progress with a 3-year class, based on "examen artium" and age 18, in the future this will replace the teachers! training.
- Special subjects	Spesial og faglaererskoler (Specialized pri- mary teacher's training college)		The teacher's certificate gives access to special courses. Usually these courses are of 1-year's duration; the main subjects taught are: Handicraft (1-year course, or a course of two summer terms); Physical Education (The State College for Physical Education); Courses for handicapped children and retarded children; Domestic Science; Handicraft & Drawing; Music; Arts & Crafts.  The primary teachers! training colleges are all public except for the newly established "Norsk Laererakademi".

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Teachers		Length of Study (in years)	Other Information
2.2. Ungdomsskoler (Upper level of comprehensive school)	Laererskoler (Primary teachers) training colleges) Spesiallaererskoler (Specialized teachers! training colleges) Norges Laererhøg- skole (State college for secondary teachers) Universitet (University)		The qualification of "adjunkt" is required to teach theoretical subjects in the new "youth classes" of the "Grunnskole" (7th-9th grade). The "adjunkt" may have either a full university degree (see below) or be a primary teacher with additional training in certain academic subjects (2 years). At the universities, special summer courses are run for primary school teachers who want to qualify as an "adjunkt". (Then more than 2 years is necessary).
3. Gymnasium (2nd cycle secondary school)	Universitet (University) Norges Laererhøg- skole (The State college for teachers) Andre Høgskoler (Other colleges of university level)		The qualification necessary is the "lektor" exam. This usually completes a period of university study of about 6-7 years, but may also be obtained by additional studies using a teacher's certificate as 1st diploma. The "lektor" qualification can take the form of either a degree in humanities (cand. philol.) or in mathematics and natural sciences (cand. real.). In addition the 3-year course at the "Pedagogisk Seminar" must be followed. In addition the degree in pedagogy (cand. paed.) may qualify for "lektor". Teachers of commercial subjects (at the "Handelsgymnas") are graduates from the Norwegian School of Economics and Business Administration and theoretical and practical teachers' training.
4. Yrkesskoler for handverk og industri (Vocational schools of handicraft and industry)			
4.1. Verkstedskoler og Laerlingeskoler (Workshop schools and schools for apprentices)	Statens Yrkeslae- rerskole (The State school for training of voca- tional teachers)	-f0	The school offers a complete course of 1½ years. The applicants must have the journeyman's certificate and 5 years! of practical experience (see 6.1.3.). A course of ½ year is offered for skilled workers with long experience of school teaching. In addition there is also an established system of training through correspondence courses.  Teachers of theory at workshop schools may have the teaching certificate examination from the training college plus additional training, engineer's training or other university college education.
4.2. Tekniske skoler (Technical schools)	Norges Tekniske Høgskole (The State Insti- tute of Technology)		Most of the teachers are civil engineers with half a year pedagogic training at the "Pedagogiske Seminar" or "lektor" in science subjects, with a "cand, real" degree.

Teachers	Place of Training	Length of Study (in years)	Other Information
4.3. Husflids-og heime- yrkesskoler (Schools of handicraft and trade)	Laererskoler i forming (Teacher training schools of home arts and crafts)		Usually the courses are of 2 years duration. Folk high school and 1 year at a school of handicraft and trade is required.
5. Fagskoler for landbruket (Vocational schools of argriculture, etc.)	Norges Landbruks- høgskole (The State College of Agriculture)	Ю	Teachers of theoretical subjects are usually graduates from the appropriate department of "Norges Landbrukshøgskole". Teachers of practical subjects may have been trained at a 2-year specialized branch of a school of agriculture.
6. Handelsskoler (Commercial schools)	The special teacher training examina- tion	acher Variable na-	The examination can be prepared by means of private tuition, consisting of papers in pedagogics, special subjects and a practical teaching examination. "Examen Artium" (economic branch) and 2 years of practical experience is necessary and the candidate must be 21 years old before sitting the teacher training examination.
7. Fagskoler i husstell (Domestic science schools)	Statens laerer- skoler i heimkunn- skap/husstell (Training colleges for teachers of domestic science schools)	N	The candidates must have a thorough general education (folk high school or gymnas) and housekeeping experience in addition to a diploma from a domestic science school.
8. Maritime skoler (Marítime schools)	Maritime schools		The teachers are usually recruited from the appropriate profession; except for languages and general subjects. Teaching in marine subjects requires the highest qualification possible in the appropriate school. In addition candidates must complete a 1-year advanced masters! course, providing practical training in teaching.
9, Universities and colleges of university type)	Universities and colleges		<ul> <li>(a) Professor. In most cases the professor has taken a doctorate.</li> <li>(b) Dosent (Associate professor). A dosent may also have a doctorate. In all cases he has carried out original personal research work.</li> <li>(c) Amanüensis (Assistant professor). There are two degrees here, 1, and 2. Amanüensis.</li> <li>(d) Universitets og Høgskole - lektor (University and college lecturer).</li> <li>(e) Vitenskapelig Assistant (Research Assistant)</li> <li>(f) Stipendiat (Scholarship holder).</li> <li>(g) Licentiat, Students pursuing their studies after their 1st degree often combine this with the post of research assistant or holder of a scholarship.</li> <li>(h) Personlig professorat (Personal professorship). Candida: swith the necessary scientific background may be offered a personal professorship when no official chair is available.</li> </ul>

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#### **SPAIN**

(August 1971)

Compulsory schooling: 8 years, from the age of 6 to 14



[6]	Years of Study	<b>6</b>			1		8-1-8		
O.E.C.D. Classification									
0.E.C.	Type of Education	(0)		Pre-	Pre-		According to cycle		
	Other Information	(9)	Non-compulsory education.	These schools cater for children between 2 and 3 years of age. Most of them are private.	These schools are for children aged between 4 and 5. Most of them are State schools, and can be affiliated to a primary school.		Instruction provided in these schools covers the period of compulsory education. The following types can be distinguished:	- the "escuelas nacionales" - State schools.	- the "escuelas de la iglesia" - ecclesiastical schools which are either recognized if they satisfy certain conditions concerning the qualifications of the teachers or are subsidised if in addition to meeting these requirements they are not fee-paying the "escuelas de patronato" (founda- tion schools). These are organised by the State in collaboration with the local authorities, or by indu- strial or agricultural firms which are bound by law to open schools if the number of children of school age of their staff is over 50 and they are situated in a region where there
	Part Time	(2)			5 hours in mor- ning, 2 in af- ternoon from Monday- Friday		Full time		
	Certificate	(3)		ı	1		According to cycles		
Entrance	Requiremen*s	(3)		t	1		According to cycles		
Length of	Study (in years)	(2)		, V	N		ω		
Type of Education	or Institution	(1)	1. Pre-primary education	1.1. Escuelas ma- ternales o Jardin de infancia (Kindergarten)	1.2. Escuelas de parvulos (Pre- primary schools)	2. Primary and general secondary education (Short course) prior to Reform of 4.8.1970	2.1. Escuelas pri- marias (Primary schools)		

#### SPAIN

fication	Years of Study	(9)	e - द	න - -	យុ   		
O E.C.O. Classification	Type of Education	(3)	Jeneral secondary (b)	feneral secondary (b)	General secondary (b)		
	Other Information	(9)	Instruction is compulsory for all children aged between 10 and 13 who do not attend a general secondary or vocational school. After a period of 2 years in the "advanced" cycle pupils can begin vocational training. The compulsory education certificate is also granted to those pupils who have reached school leaving age without completing the full cycle. Before 1964 this cycle only lasted 2 years and the primary certificate examwas taken after the 11th birthday. (Length of compulsory education was then 6 years).	These schools organised by the "Instituto Nacional de Colonización" se and the Ministry of Agriculture provide agricultural training in addition to advanced primery education. According to the 1970 Reform these schools will become part of 2nd cycle of basic general education.	These schools which are run by the "Instituto Social de la Marina" affiliated to the Ministry of Labour provide nautical training in addition to the 2nd cycle of primary education According to the 1970 Reform these schools will become part of 2nd cycle of a basic general education.		According to the 1970 school reform this course will replace the two privacy cycles and the 1st secondary cycle. It will be common and compulsory in all pupils, aged between 6 and 13. State establishments will be known as "Colegios Nacionales" (National Colleges).
	Full/ Part Time	(5)	full time	full time	Full time		full time
	Certificate	(4)	Primary certificate (Certificado de estudios primarios) enabling pupils to take the qualifying examination to 3rd year of general secondary or technical education and the compulsory education certificate for pupils who have not sat the primary certificate examination	Leaving certificate	Leaving certificate		According to cycles
Entrance	Requirements	(3)	Completion of primary school elementary cycle	Completion of 1st cycle primary education	Completion of 1st cycle primary education		According to cycles
Length of	Study (in years)	(2)	4	7	4		ω
Tune of Farcation	or institution	(6)	2.1.2. Período de perfeccionamiento (Advanced cycle)	2.2. Escuelas de orientación agrí- cola (Schools with agricultural bias)	2.3. Escuelas de orientación mari- tima (Schools with bias in maritime studies)	3. Primary and 1st cycle general secondary education since Reform of 4.8.1970	3.1. Centros de educación general básica (Basic general education centres)

ıcation	Years of Study	(9)	7-6	بر 1- 8-		/ariable
O E.C.D. Classification	Type of Education	(3)	Primary	General secondary (a) or (b)		Special
	Other Information	(9)	Instruction common to all pupils. During school year 1970-71 the 4 years of this cycle were affected by the implementation of the Reform Act.	This cycle will replace the advanced primary cycle and the elementary cycle of secondary schools and will constitute a common trunk with an restricted choice in subjects. In addition to the general subjects and the learning of a foreign language pupils will undergo a certain amount of vocational training leading to a greater variety of courses later on. This cycle will be introduced gradually over the period 1971-72 to 1974-75 by adding 1 year of the course at the beginning of each school year.		In addition to the schools for child-ren who are handicapped either physically or mentally there are "escuelas de hogar", which are residential schools designed for children living in regions with a scattered population, open air schools for children of poor health and the "escuelas reformatchias" for children who have committed a major offense.  The aim of these schools is to help retarded of maladjusted children to lead as normal a life as possible.
	Full/ Part Time	(5)	Full	Full time		full time
	Certificate	(4)	No examination. Transition from one class to ano- ther is made on teachers! advice	The title of "graduado escolar" is conferred on pupils who have completed their period of school- ing satisfactorily. It is the sole means of access to the 2nd cycle (bachillerate) of general secondary education. Those who do not fulfil these conditions must sit a maturity test and failing this they receive a compulsory edu- cation certificate giving access to is compulsory edu- cation certificate giving access to is conditions this they receive a compulsory edu- cation certificate giving access to		Variable
	cutance Requirements	(3)	To be 6 years old but exceptions can be made in favour of age	Completion of 1st cycle		
Lenoth of	Study (in years)	8	7	4		Varia- ble
	Type of Education or Institution	8	3.1.1. Primera etapa (1st cycle)	3.1.2. Segunda etapa (2nd cycle)	4. Special education	4.1. Escuelas especiales (Special schools)



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#### SPAIN

ification	Years of	(8)	Pepending on cycles
O.E.C.D. Classification	Type of	Coucation (7)	General secondary (a)
	Other Information	(9)	Studies are divided into 3 cycles and completion of all 3 cycles generally can, however, leave school at the beds to university education. Pupils can, however, leave school at the employment or to continue another type of education. There are several types of institutions providing this type of institutions institutes) situated in major cities and covering the 3 cycles; (2) the "secciones delegadas" with only 1st cycle; (4) the "secciones delegadas" in the suburbs also with only 1st cycle; (4) the "centros oficiales departments also be entros of setablishments are subulished in big towns without an "institute" and covering the 3 cycles; These four types of establishments are scandins or controlled. Serveing the 3 cycles controlled. Serveing the 3 cycles (4) the institutions only prograised in the institutions only programed colleges) belonging to local authorities and recognized by the "colegios listitutions only prograte schools which are not recognized annually by a State examination board; (7) the "colegios autorizados" which are recognized private schools which are recognized by inded board of examiners including official representatives. The second-below).
1	Part Time	(5)	the state of the s
	Certificate	(4)	According to cycles
Entrance	Requirements	(3)	According to cycles
Length of	ottooy (in years)	3	
Type of Education	or Institution	(1)	General and technical education (Long course) Frior to Reform Act oi 4.8.1970  5. Centros de enseñanza media (modern and classical secondary schools)

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	Years of Study	(8)	5-8	9-10	
sification	Yea	_	رب ب	ტ 	
O.E.C.O. Classification	Type of Education	(3)	General secondary (a)	General secondary (a)	General (a)
	Other Information	(6)	Pupils holding the primary certificate can go into 3rd year after passing an sexamination (on which case they are 2 years behind pupils who entered directly after the 1st primary cycle). The end of this 1st cycle coincides with the end of compulsory schooling. Instruction is same for all pupils and may be compared to a "guidance cycle". According to the 1970 Reform this cycle will be replaced by the 2nd cycle of basic general education.	Pupils have a choice between two options: arts (Latin and Greek) and sciences (mathematics, physics and chemistry). But these options in no way determine pupils' future studies, and the secondary leaving certificate bears no mention of the chosen option. According to the 1970 Reform the length of this cycle will be increased to 3 years. (See below).	This is a compulsory class for all pupils who have completed the 2nd cycle of secondary education and who wish to go to university. Pupils who have failed the "bachillerato superior" examination can re-sit it while attending the pre-university class. Pupils have a choice between two options: classics or science (mathematics, physics and chemistry). Either choice does not influence later university studies. According to the 1970 Reform this class will be included in studies leading to the secondary leaving certificate.
	Full/ Part Time	(5)	time time	Full time	full time
	Certificate	(4)	Bachillerato elemental (1st cycle leaving certificate) giving access to 2nd cycle of secondary schools and to primary teacher training schools domercial schools and schools assistants	"Bachillerato su- perior" (Secondary leaving certifi- cate) giving access to pre- university courses, to schools for higher technicians or to various private administration	Depending on examination results: "Prueba de suficiencial" (leawing certificate) or "Prueba de madurez" (maturity certificate) giving access to university cess to university
Foliante	Requirements	(3)	Minimum age is 10 and completion of 1st cycle primary education; pass in entrance examination required.	To hold the "bachillerato elemental" and be at least 14 years old	Completion of 2nd cycle of secondary education
Length of	Study (in years)	(2)	4	И	-
T. C. C. Constitution	Type of Education Le or Institution (in		mental (1st cycle)	rior (2nd cycle)	universitario (Pre-university courses)

l	5		1		
ification	Years of Study	<b>®</b>		ტ - ლ	10-11
O.E.C.O. Classification	Type of Education	(2)		Technical secondary (a)	Technical secondary (a)
	Other Information	(9)	Studies are divided into 2 cycles and generally lead to higher scientific and technical education. Courses are provided in the following establishments: (1) the "centros del Estado", State schools; (2) the "universidades laborales", technical universities administered by the Ministry of Labour and providing only 2nd cycle; (3) the "centros de la Iglesia", religious schools; (4) the "centros privados", private schools; (5) the "centros de la organización sindical", schools run by trade unions.	This 1st cycle was abandoned in 1967. All pupils complete the general secondary education elementary cycle and the choice between general and technical studies is only made at the beginning of 2nd cycle. According to the 1970 Reform, this 1st cycle will be replaced by the 2nd cycle of basic general education.	According to the 1970 Reform this course will be abandoned and will henceforth constitute only an optional subject in studies leading to secondary leaving certificate.
:	rull/ Part Time	(5)	Full time	Full time	fime time
	Certificate	(4)	According to cycles	Bachillerato téc- nico elemental (1st cycle techni- cal leaving certi- fícate) giving access to primary teacher training colleges, to com- mercial schools and to schools and to schools for technical sanitary assistants	Bachillerato tecnico superior (secondary technical leaving certificate), giving access to higher aducation after a maturity examination except to faculties of arts, philosophy, law, tical science
Entrance	Requirements	(3)	According to cycles	10 du	To hold the 1st cycle technical leaving certificate
Length of	Study (in years)	(3)	ง + เก	ش -	a
Type of Education or Institution (in		(3)	enseñanza laboral (Technical second- ary schools) ary schools) agricola, gana- dera (agriculture, stock breeding) - industrial y mines) - administrativa - administration) - maritime-pesquera (navigation, fishing)	mental (1st cycle)	ior (2nd cycle)



ification	Years of	(8)		9-11			
D.E.C.D. Classification	Type of	(3)		Secondary (a)	Pre- university year		
	Other Information	(9)		The 1970 Reform has introduced this convey type of course which will replace the 2nd cycle of general and technical secondary education. It will become effective in 1972-73 for 1st year of studies. In 1972-73 for 1st year of 1974-75 for the 3rd. There is only one type of secondary leading certificate, and after the completion of the university foundation year, it leads to all faculties and higher vocational training. In addition to common and optional subjects, instruction includes technical-vocational subjects which are compulsory for all pupils, thus equipping them to make a better choice in later studies. State establishments are called "institutos	This course is provided in "centros de bachillerato" but supervised by university. It was run on an experimental basis in 1970-71 and was optional. It will be compulsory from 1971-72.		Instruction is provided in the follow- ing types of schools: "escuelas oficiales" (official schools), "uni- versidades laborales" (technical uni- versities), "escuelas de la Iglesia" (ecclesiatical schools), "escuelas la organización sindical" (schools run by trade unions), "escuelas privades" (private schools) "escuelas militares" (military schools), There are "centros de apprendizaje indus-
	Full/ Part Time	(2)		Full time	Full time	•,	
	Certificate	(4)		Bachillerato (Secondary leaving certificate) giving access to foundation year at university	Leads to university education		·
Entrance	Requirements	(3)		To hold the "graduado escolar" (basic general education leaving certificate)	Secondary leaving certificate (bachillerato) or 2nd cycle vocational certificate		
Length of	Study (in years)	(2)		N	γ-		
Top of Education	or Institution	(2)	6. 2nd cycle general secondary education since Reform of 4.8.1970	6.1. Centros de bachillerato (2nd cycle of secondary schools)	6.2. Curso de orientación univer- sitaria (University foundation courses)	7. Technical and vocational secondary education	7.1. Centros de formación profe- sional industrial (Industrial voca- tional training schools) before Reform of 4.8.1970

ification	Years of Study	(8)		7-8	9-11	Variable	
O.E.C.D. Classification	Type of Education	(3)		Tecnnical secondary (b)	secondary (b)	Technical secondary (b)	
	Other Information	(6)	"centros de maestria industrial" (centres providing industrial training for foremen) in which pupils can undertake full-time or part-time studies or attend complementary courses outside their work. The 1970 Reform has completely altered the oreanisation of this twos of	ition.  I the implementation of the result of the second of the second of computer of the second of	Full-time education takes place in residential schools. Part-time train-ing includes 18 hours of classes a week, pupils undergoing practical training within the firm. According to the 1970 Reform Act, this type of course will become part of the vocational training course (1st cycle).	This course will also become part of the vocational training (1st cycle) as planned in the 1970 Reform.	This type of education will be based on the specific techniques of industrial, agricultural, commercial, administrative or artistic professions. It is intended to form a bridge between general education and the particular occupation pupil will take up. It will be possible to supplement and update it by in-service vocational training courses. The Reform Act will be implemented over years 1970-71
	Full/ Part Time	(5)		Full time or part time	Full time or part time	Full time	
	Certificate	(4)		Leaving certifi- cate giving access to apprenticeship courses proper	Certificate of "oficial indust- rial" (skilled workman) in branch of studies chosen. This certificate gives access to intermediate level technical schools.	"Maestria indust- rial" certificate (foreman's indust- rial certificate) giving access to 1st year of tech- nical intermediate schools	
Entrance	Requirements	(3)		Completion of first 2 years of advanced cycle of primary education	To be 14 years old and have completed 2 years of pre-apprenticeship training in a primary school or a school providing an introductory vocational course	To be 17 years old and hold the cer- tificate of "ofi- cial industrial" (skilled workman) or the 1st cycle technical leaving certificate	·
Length of	Study (in years)	(2)		N	m	N	
Education titution		(1)		7.1.1. Iniciación profesional (Intro- ductory vocational courses)	7.1.2. Apprendizaje (Apprenticeship)	7.1.3. Centros de maestria industrial (Centres providing foremen's industrial training)	7.2. Vocational training since Reform of 4.8.1970



_	Years of Study	(8)	9-10	Va <b>ri</b> able	ab <b>1e</b>		ab <b>le</b>		a <b>ble</b>
ification	lei is.	* 	9	Vari	-Variable		Variable	_	Variable
0 E.C.O. Classification	Type of Education	6	Technical secondary (b)	Technical secondary (a)	Higher non- university (technolo- Ey)		Technical secondary (b)		Technical secondary (b)
	Other Information	(9)	The course is compulsory for all pupils who do not continue their general education after their 8-year period of basic education.	Instruction is intended for pupils who wish to enter employment on completion of their secondary education or for those who are already in employment but who wish to improve their knowledge in order to attain higher posts.	This 3rd cycle is intended in particular for pupils who, after 3 years of higher education, wish to acquire a specific training preparing them for a particular occupation.		The schools are not administered by the Ministry of Education and Science but by the Under-secretary of the Merchant Navy. Their aim is to train in-shore or deep-sea fishing captains together with navigation mechanics. They cater to both young people who have just finished their general education and adults who wish to improve their knowledge and skill.		These schools are administered by the Technical Ministry of Agriculture. They provide specialized training (grape-growing, forestry, agricultural mechanics, etc.) for young agricultural workers. There are also intensive courses lasting from between 7 days to 3 months for adults (cursos intensives de adiestramiento
	Full/ Part Time	(5)	Full time	Full time	Full time		Full time		Full time
	Certificate	(4)	Level of skilled workman	Technical level	Specialist certi- ficate, Higher technical level, teacher of 2nd cycle of basic education,	_	According to specialized subjects		Certificate of "capacitación agraria" (proficiency in agricultures giving access to intermediate technical schools after completion of a pre-
Fotrance	Requirements	(3)	To be a "graduado escolar" or hold the general basic certificate of education	To have the "bachillerato" (secondary leaving certificate) or have attended the introductory vocational course	Completion of 1st cycle of higher education		Minimum age 16. Experience of navigation and fishing required.	(	To be 16 years old and have some prac- tical agricultural experience
Length of	Study (in years)	(2)	Maximum of 2 years	Maximum of 2 years	Maximum of 2 years		a		N
Tue of Education	Type of Education or Institution (i		7.2.1. Primer grado o iniciación prc- fesional (1st cycle introductory voca- tional courses)	7.2.2. Segundo grado o nivel medio (2nd cycle - inter- mediate level)	7.2.3. Tercer grado o superior (3rd cycle - higher level)	7.3. Maritime vocational training	7.3.1. Formación profesional natutica-pesquera (Vocational training for navigation and fishing)	7.4. Agricultural vocational educa-	7.4.1. Escuelas de capacitación agra- ría (Agricultural schools)

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fication	Years of Sturk	(8)		7-11	7-11		9-11		12-14 or 10/11-14
0.E.C.D. Classification	Type of Education	(1)		Technical secondary (b)	Technical secondary (b)		Technical secondary (b)		Higher non- university (technolo- gy)
	Other Information	(9)		The first 3 years constitute a common course for all pupils. The last 2 years are devoted to the study of one specialized subject.	=		Besides courses leading to the commercial technician's certificate, certain schools provide evening classes in vocational training preparing candidates for employment as.commercial auxiliaries.		These schools give preparation for technician engineer's certificate in specialized subject studied. The courses proper last 7 years but are preceded by a preparatory and adaptation course for those candidates who do not satisfy the necessary entrance requirements. There are also evening courses. According to the 1970 Reform, these schools will be incorporated in the university schools affiliated to the university schools affiliated to the university corresponding to the 1st cycle of university studies and giving the same rights. They will be called "Escuelas de Ingenieria Técnica"
,::	Part Time	(5)		Full time	Full		Full time		Full time
	Certificate	(4)		Certificate in the specialized subject or art teacher's certificate	=		Perito mercantil (commercial tech- nician's certificate)		Certificate of "perito" (technician-engineer) gives access to tracking in technical and vocational schools, to higher technical schools and to science faculties on examination
Entrance	Requirements	(3)		Completion of 6 years of study and have taken en- trance examination	=		To be 14 years old, hold 1st cycle general or technical secondary leaving certificate and take entrance examination		A. Preparatory courses. Up until 1965: all types of 1st cycle leav- ing certificate, skilled workmen. Since 1965: Holders of the elementary techni- cal leaving certi- ficate are exempt- ed from this course and holders of a general 1st cycle leaving certificate are exempt- ed from this course and holders of a general 1st cycle leaving certificate are are accourse and holders of a general 1st cycle cate are no longer admitted to these
Length of	Study (in years)	(2)		<i>'</i> C	ß		М		3, 4 or
Tone of Education	or Institution	(1)	7.5. Artistic education	7.5.1. Escuelas de arte y oficios artísticos (Schools of applied arts and crafts)	7.5.2. Escuelas de ceramica (Schools of ceramics)	7.6. Commercial education	7.6.1. Escuelas periciales de comercio (Schools for commercial technicians)	8. Higher vocational and technical education 8.1. Technical	. Escuelas cas de grado (Intermediate ical schools) itos aerondu- os (aviation) itos agricolas riculture) riculture) itos apareja- es (work ervisors) itos indus- ales (industry) itos de minas itos de mentes

ication	Years of Study	(9)		10/11-14
O.E.C.D. Classification	Type of Education	(2)		Higher non- university (technolo- gy)
	Other Information .	(9)		Organisation of course is same as in intermediate technical schools.
	Part Time	(2)	•	Full time
	Certificate	(4)		"Perito" certifi-
Entrance	Requirements	(3)	B. Selection course. Up until 1965: all types of secondary leav- ing certificate, chartered account- ants, primary school teachers and holders of foreman's certificate in industry. Since 1965 this course, is intend- ed only for hol- ders of a techni- cal 1st cycle leaving certificate. C. 1st year: Up to 1965 admission took place after selection course. Since 1965 direct admission for hol- ders of all types of secondary leav- ing certificate, chartered account- ants, primary school teachers and holders of ad- vanced industrial	Same as for intermediate technical schools (see 8.1.1)
Length of	Study (in years)	(2)		5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Tyne of Education	or Institution	(1)	- peritos navales (maritime studies) - peritos obras publicas (public works) - peritos de telecomunicación (telecommunications) - peritos textiles (textiles) - peritos topographers) fos (topographers)	8.1.2. Escuelas de nautica (Technical nautical schools) - Maquinas 'machines) - Puente (deck)

fication	Years of Study	(S)		12-14	12-14		12-14		Before 1965: 9-11 Since 1970: 11-12 Since 1970: 11-13
D.E.C D. Classification	Type of Education	(5)		Higher non- university (medical science)	Higher non- university (medical science)		Higher non- university (social sciences)		Before 1965 Before secondary 1965: teacher 9-11 training. Since 1965: 1965 to Higher non-1970: university 11-12 (education)Since 1970: 11-13
	Other Information	(9)	Since the 1970 Reform, these courses are run by university schools.	After completion of regular course, it is possible to attend specialization courses in obstetrics or gynaecology or physiotherapy, radiology, etc.			Students are required to present a memoir before a five-member board of examiners on completion of their studies. Courses have been held in university schools since 1970 Reform.		These schools have become university schools since 1970 Reform. Pupils attend the same classes as in other schools of the same type, that is, the "guidance cycle" followed by 3 years of instruction plus 1 year of 3rd level vocational training which, in this case, is pedagogical training.
	Part Time	(5)		Full time	Full		time time		Full time
	Certificate	(4)		Para-medical assistant's or nurse's certificate	Certificate in child care		"Profesorado mercantil" certi- ficate (commercial teacher) leading to Faculties of Politics and Economics		Primary school teacher's certificate giving access to pedagogical sections of universince 1970, to 2nd cycle of university studies
Entrance	Requirements	(3)		Minimum age is 16. Candidates required to hold a primary teacher's certificate, a commercial technician's certificate or technificate or technificate or technificate secondary leaving certificate and to take the entrance examination.	Same entry condi- tions as for para- medical assistants		2nd cycle technical or general secondary leaving certificate or commercial technician's certificate		Before 1965: 1st cycle leaving certificate. From 1965 onwards, 2nd cycle leaving certificate.
Length of	Study (in years)	6		M	ĸ		w		Before 1965: 3. Since 1965 up form: 2 years. Since Reform:
Type of Education	or Institution	(1)	8.2. Para-medical education	8,2,1, Ayudantes técnicos sanitarios (Para-medical assistants)	8.2.2. Escuelas de puericultura y sanidad (Schools for child welfare workers)	8.3. Commercial education	8.3.1. Escuelas profesionales de comercio (Vocational commercial schools)	8.4. Teacher training	8,4,1, Escuelas superiores de magi- sterio (Primary teaching schools)



	Years of Study	<u>_</u>	- 17		17	- 17		
fication	Year	8	5		<u> </u>	2		
O.E.C.O. Classification	Type of Education	(6)	Higher non-	university (fine arts)	these Higher non- d- (fine arts) n of ee acte (11) on   will see ee See	Higher non- university (fine arts)		Adult education
	Other Information	(9)	There is a preparatory year of	studies before the course proper begins. These schools have enjoyed university status since the 1970 Reform.	In addition to advanced courses, these schools may provide a vocational course in which case publis are admitted from the age of 10 after an entrance examination. The length of the course varies according to the section attended and the certificate prepared. The advanced section will be included in university education according to the 1970 Reform, and will comprise three cycles leading, respectively, to the "diplomado", the pectively, to the "diplomado", the organisation of university studies below).	Organisation of course and status of these schools is same as for Conservatory of Music.		The aim of these schools is to give workers training in social studies, economics and trade unionism. Courses take place in the evening.
	Full/ Part Time	(2)	Full		full time	Full time		Part time
	Certificate	(1)	Gervificate in		Certificate in specialized subject studied	Certificate in specialized subject studied		Leaving certificate
	Entrance Requirements	(3)	- Pu		2nd cycle second- ary leaving certi- ficate for advan- ced course	2nd cycle second- ary leaving certificate		Minimum age is 16, and candidates are required to sit an entrance examination from which leaving certificarer huplis from the "escuela de capacitación social de trabajadores" are exempted
Lenoth of	Study (in years)	(2)	+ + 	) +	1 + 5 for the advan- ced course	+ 5		Varia- ble
	Type of Education or Institution	(1)	8.5. Artistic education	belias artes (Fine art schools)	8.5.2. Conservato- rios superiores de musica y declama- cion (Conservatory of Music)	8.5.3. Escuela superior de arte dramático (Higher school of dramatic art)	9. Adult education	9.1. Escuelas sociales (Social studies)

Tune of Education	Length of	Fotrance		:		O.E.C.O. Classification	cation
or Institution	Study (in years)	Requirements	Certificate	Part Time	Other Information	Type of Education	Years of Study
6	62	(3)	(3)	(S)	(9)	8	(8)
9.2. Escuela de capacitación social de trabajadores (Workers' social training school)	45 days	1	1	Part	There is only one school of this kind and it is in Madria. It provides workers with civic and social training through a residential course lasting 45 days. Candidates receive their normal salary throughout the course.	Adult education	
9.3. Permanent training of adults	Varia- ble	Variable	Variable	Part time	Courses provided in the scheme of permanent education for adults include basic education, "bachillerato", vocational training, as well as further and courses in professsional	Adult education	
Otras ensemanzas (Other types of education)	Varia- ble	Variable	Variable		Duration and entrance requirements of these specialized courses are varia- ble. The majority are intended for adults, and courses are held in the evening.	Adult	
(Languages)	3 or 4				These schools have been incorporated in the university schools or vocational training centres since the 1970 Neform according to the level of Studies. Courses are provided by the Central School of Madrid, the Higher School of Administration and Employment Guidance, and by university institutes. The school of Arab studies provides 1-year courses.		
10.2. Mandos intermedios (Training of middle-level employees)	2						
10.3. Publicidad (Advertising)	M						
10.4. Secretariado y administración (Office studies and administration)	W						
10.5. Turismo (Tourist industry)	n						
-	-	_	-	-	-	-	

7 3 4	Length of	Foftsanse				O.E.C.D. Classification	ication
lype of coucation or institution	Study (in years)	Requirements	Certificate	Full/ Part Time	Other Information	Type of Education	Years of Study
(3)	(3)	(3)	(3)	(5)	(9)	6	(8)
10.6. Auxiliares de la investigación (Scientific re- search assistants)	-				These courses are provided by the Higher Council for Scientific Research.		
10.7. Ciencias sociales (Social sciences)	m				Courses provided by the Institute of Social Science.		
10.8. Criminología (Críminology)	-				Provided by the Institute of Criminology.		
10.9. Educación física (Physical education)	2002				The National School of Athletic frainers provides a 1-year course for women and a 2-year course for men; the specialized school of "Julio Ruiz exclusively for women.		
10.10. Estadística (Statistics)	<i>1</i> -						
10.11. Genealogía (Geneaology)	m						
10.12. Policía (Police)	-						
10.13. Psicopedago- gía (Psycho- pedagogy)	<del>-</del>						
10.14. Radiotele- grafistas (Wireless operating)	1 or 2				The official nautical schools offer a 1-year couse reserved for men and the official school of telecommunications offer a 2-year course.		
10.15. Técnica empresarial (Employ- ment techniques)	1 or 4				The Higher School of Administration and Labour provides a 1-year course for men and the institute Hevares a 4-year course specialised in agriculture.		
10.16. Urbanismo (Town Planning)	-				Men only.		
10.17. Religiosas (Religious education)	Varia- ble						

fication	Years of Study	(6)			
D.E.C.D. Classification	Type of Education	(3)			Higher university
A 4 distribution of the state o	Other Information	(9)	Instruction given in seminaries and includes either Latin and arts sub- jects or philosophy or theology.		A guidance and introductory course preceded the course proper before 1965. Holders of a "perito" certificate the full bear technician's level) or a card elugher technician's level) or a cycle secondary general and tecinical leaving certificate and a maturity certificate were admitted to the guidance course. It was possible to attend this course in technical schools or faculties of science. Those students course proceeded to the end of the course proceeded to the introductory courses proceeded to the introductory courses rommon to all specialities and held only in the technical schools. The course of study proper lasted 4 or 5 years. In 1965 both the selection and introductory courses were abolished. After obtaining the certificate, students can complete 2 further years of study and present a thesis with a view to obtaining the title of Doctor of Engineering or Doctor of Architecture. According to the terms of the 1970 Reform Act, these schools have university status and courses will be organised likewise - that is, in three cycles.
	Full/ Part Time	(5)			Full time
	Certificate	(4)			Engineer's or architect's diploma
Entrance	Requirements	(3)			2nd cycle second- ary leaving cer- tificate and ma- cate or certifi- cate of "perito" or a military or a military cate or commercial teacher's certificate
Length of	Study (in years)	(2)	yaria- ble		rv.
Type of Education	or Institution	(3)	10,18, Enseñanza eclesiástica (Ecclesiastical education)	11. University education prior to 1970 Reform	técnicas superiores (Higher technical schools)



	Lenath of			•		O.E.C.O. Classification	cation
Type of Education or Institution	Study (in years)	cuttante Requirements	Certificate	Full/ Part Time	Other Information	Type of	Years of Study
	(2)	(3)	(4)	(5)	(9)	(3)	( <u>@</u>
11.2. Universidades (Universities) 11.2.1. Ciencias (Sciences) - curso selection course) - licenciado 11.2.2. Ciencias políticas, económicas y comerciales (Políticas, económicas y comerciales (Políticas, económicas y comercials - licenciado 11.2.3. Derecho (Law) - licenciado 11.2.4. Farmacía (Pharmacy) - licenciado 11.2.5. Filosofía y letras (Philos- ophy and arts) - studios comunes (common course) - licenciado 11.2.6. Medicina (Medicine) - licenciado - licenciado 11.2.7. Veterinaria (Veterinary medi- cine) - licenciado	~ 3	Bachillerato superior (2nd cycle secondary leaving certifil- cate) and maturity examination (prueba de madurez), For other entrance possibilities, see column 6 opposite,	Licenciado (1st degree) Doctor (doctorate)		The universities consisted of the cal, Commercial and Economic Sciences; Law; Pharmacy; Philosophy and Arts; Medicine; Veterinary and specialized mission to a faculty, and candidates also required to have attended a premarurity examination (prueba de maturity examination (prueba de maturity examination; In order to enrol in the examination. In order to enrol in the attend a pre-university course and trake the maturity examination. Students; desiring to enter the commercial teaching profession could enrol in the economic and commercial section of the Faculty of Philosophy and Arts (without holding primary teachers could enrol in the concomic and commercial science pedagogic section of the Faculty of Philosophy and Arts (without holding tificate). There were no numerus clausus, but the Arts (without holding tificate). There were no numerus free (licenciado) after courses of variable duration according to the 1st cycle leading to the 1st cycle leading to the 1st cycle leading to course was divided into 2 cycles free (licenciado) after courses of variable duration according to the foctorate which comprised the phementary memoir.  In theory attendance at lectures and phementary memoir, in there were no strict rules regarding there here as the course was compulsory, but there were no strict rules regarding the phementary memoir.	Higher university	



fication	Years of	(8)					-	
0.E.C.D. Classification	Type of	(3)			Higher university	Lower		ist degree
:	Other Information	(9)	attendance. Examinations generally took place every 4 months and were based on either one single subject or on a group of subjects and, in some cases, were solective. At the end of the complete cycle of studies, students had to sit a final examination with oral and written papers in order to obtain the degree. Only those students who had successfully completed the study of various subjects, the number and nature of which were determined by each faculty, could encol in courses leading to the doctorate degree.		The universities consist of faculties divided into departments and higher	technical colleges and institutes, schools and university colleges. The department constitutes the basic teaching and research unit. The faculties and higher technical colleges are the centres which colorains to an all eveles of one particula wards in all eveles of one particularies.	lar field of study. The higher technical colleges can bear the title of technical universities.  The institutes are research and specialization centres, embracing for this sole purpose the staff of one or	their own staff. They approments and their own staff. They may be afillated to a faculty, a higher technical college or directly to university. The university colleges are centres providing only 1 cycle of studies corresponding to the 1st cycle of university education.  The university schools provide only one course of studies lasting from 2
	rull/ Part Time	(5)						
•	Certificate	(1)				Diplomado (diploma)		Licenciado (degree)
Entrance	Requirements	65				(a) To hold the "bachillerato" (2nd cycle comprehensive secondary certificate) and have attended a pre-university	guidance course. (b) For people over 25 years of age without the "bachillerato"; entrance examination,	(a) Completion of 1st basic cycle. (b) To be a graduate of a university school. (c) Have completed 2-year course as architect-technician.
Length of	Study (in years)	(2)				W		α
Type of Education	or Institution	(3)		12. University education - System intro- duced by 1970 Reform	12.1. Universidades (Universities)	1º ciclo básico (1st cycle basic course)		2° ciclo de especialización (2nd cycle specialisation)

ation	Years of Study	69	
O.E.C.O Classification	Type of Education	6)	Poctorate
	Other Information	(6)	In order to have access to university studies, holders of the 2nd cycle secondary leaving certificate are required to attend the guidance course, pupils with a more thorough knowledge of basic subjects, guiding them in the choice of their university course and preparing them for same. The course is organised and supervised by the university out can be held in secondary leaving certificate but have attended an equivalent course in special centres can also secure admission to higher education. Hold the secondary leaving certificate but have attended an equivalent course in special centres or those affiliated to ordinary centres can also secure admission to higher education. Higher studies are divided into 3 cycles:  (1) The 5-year 1st cycle is devoted to the study of basic disciplines after which students who have attended advanced vocational training classes from university schools who have completed the title cechnical basic education, vocational guidance auxiliaries, dietetic technical, proframmers, etc.  (2) The 2-year 2nd cycle is devoted for studies are avanced the fitle of stadents are awarded the title of graduate (licendary attended a selective adaptation and bave completed the 1st cycle and graduates from university schools who have attended a selective adaptation clado), engineer or architect, qualifing them to hold a high level preparation and presentation of a thesis on an original subject. Studies last at the original subject. Studies last at
	Full/ Part Time	(5)	
	Certificate .	(1)	Doctor (doctorate)
00000	Requirements	6	(a) Completion of 2nd cycle. (b) To hold the architect-technician's or engineer technician's degree.
Length of	Study (in years)	. 8	Varia-
	Type of Education or Institution	(0)	3° ciclo de especialización concreta y preparación para la investigación y docencia (3rd preparatory research and teaching cycle)

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ification	Years of	(8)	
0.E.C.O. Classification	Type of	(3)	According to degree
	Other Information	(9)	The 1st cycle in medicine last 4 years (premédicas). Other courses lasting 3 years after the guidance course train para-medical technicians. Students who have completed 1 or 2 years pre-medical studies may also attend these courses provided previous studies have been approved. The 2nd cycle takes place mainly in the hostopical bave been approved. The 2nd cycle takes place mainly in the hostopical centres administered and recognized by the Minister of Education and Science.  The course comprises a core of common compulsory subjects and optional subjects. Each university is responsible for the organisation of courses in accordance with the general lines laid down by the Minister of Education and Science. A "tutelage" system will be introduced, each tutor being in charge of a limited number of students.  These universities are made up of higher technical schools (escuelas de formación profesional de 3º grado) and scholas suniversity schools (escuelas university schools (escuelas university) en decisional de jetter a technical en decisional de jetter a decisional de jetter
	Part Time	(9)	
	Certificate	(4)	According to speciality
Entrance	Requirements	(3)	University found- ation course
Length of	Study (in years)	(2)	See opposite
Type of Education	ar Institution	(1)	12.2. Universidades politécnicas (Polytechnics)

ication	Years of Study	(8)	
0.E.C.O. Classification	Type of Education	(3)	
	Other Information	(9)	theoretical training. Similarly, 1st cycle advanced engineering students can obtain the title of technicianengineer by attending a "bridge" course of 3rd year level.
	Full/ Part Time	(9)	
	Certificate	(4)	
	Entrance Requirements	(3)	
100	Study (in years)	(2)	
	Type of Education or Institution	e	

0.E.C.O. Classification	Law Medical science Humanities Humanities Education Medical science Agriculture
Fields of Study	- Derecho (Law faculty) - Farmacia (Faculty of pharmacy) - Farmacia (Faculty of pharmacy) - Falosofia y letras (Faculty of arts and estudios comunes (common course) antropologia americana (American anthropology) arte (history of art) biblica frilingue (study of the three Biblica trilingue (study of the three Biblica clasica (study) filologia moderna (modern philology) filologia semitica (semitica (semitic philology) historia de América (American history) bedagogia (pedagogy) historia de América (American history) pedagogia (pedagogy) - Medicina (faculty of medicine) - Veterinaria (Faculty of medicine)
O.E.C D. Classification	Technology Agriculture Technology " " " Architecture  Pure science
Fields of Study	1. Escuelas técnicas superiores (Higher technical schools)  A Aeronáuticos (Aeronautics)  Agronomos, Cagronomy)  Caminos, canales y puertos (Roads and waterways construction)  De minas (Winterways and forestry)  De montes (Waterways and forestry)  De montes (Waterways and forestry)  Industriales (Industry)  Navales (Marine engineering)  Arquitectura (Architecture)  Ciencias (Raculty of science)  curso selectivo (selection course)  piológicas (pology)  físicas (physics)  matenfaticas (mathematics)  químicas (chemistry)  Ciencias polítical, economic and commercial science)  políticas (political, economic and commercial science)  cial science)  políticas (politics)

Other Information		Prior to 1965 student-teachers were recruited after the general elementary or technical leaving certificate. The course lasted 3 wears, at the end of which a primary school teacher's certificate was awarded to successful examination candidates. In order to become certificated, pri-	mary teachers were required to sit a competitive recruitment examination organised annually by each province. A law drawn up in 1965 and altered in 1967 states that candidates should hold a 2nd cycle secondary leaving	certificate, courses tast a years, ending with a proliciency examination. Successful students attend an 8-month practical pedagogical training course. This course is organised under the supervision of the primary teacher training college staff and inspectors of primary education.	Students receive payment during this period of training. The title of "master" is conferred only after completion of the training period. The most gifted pupils at once become part of the body of "national schoolmasters". The others must sit a recruitment examination. Holders of the former certificate can enter the pedagogy section in the arts faculty directly and are required to attend the pre-university course before entering other faculties. Holders of the new certificate are eligible for admission to the various centres of higher education and do not require to attend the pre-university course.	Primary teacher training schools also offer specialization courses enabling candidates to teach in:	<ul> <li>(a) 7th and 8th year of primary schools;</li> <li>(b) special schools (for the physically and mentally handicapped);</li> <li>(c) in nursery and pre-primary schools;</li> <li>(d) can become principals of national multi-class schools (minimum of 8).</li> </ul>		All teachers in official schools are required to be graduates (licenciatos) in philosophy and arts subjects or in science, whether they work in State or other centres. Pedagogical training of teachers is divided into two parts and is organised by the teacher training college (escuela de formación del profesorado), the various sections of which are affiliated to universities. The 1st part is concurrent with the penultimate year of the degree course and consists of an introduction to general pedagogy and didactics. The 2nd part gives students practical training in the form of organised training periods in secondary schools. On completion of the period of pedagogical training, students considered "fit" receive a proficiency certificate in teaching (certificate de aptitud pedagogical candidates without the CAP can take this examination only after a minimum of 2 years teaching in . secondary school.
Length of Study	(in years)	Before 1965: 3 years. From	1965- 1970: 2 years.	E.	=				N
Place of Training		Escuela superior de magisterio (Primary teacher training schools)		=	=				Escuela de forma- ción del profesor- ado (Teacher training colleges)
Teachers		Before 1970 Reform  1. Escuelas maternales, escuelas de párvulos (Nursery and pre-primary schools)		2. Escuelas primarias (Primary schools)	3. Bscuelas especiales (Special Schools)			4. Centros de enseñanza media (Classical and modern secondary schools)	- general subjects

Teachers	Place of Training	Length of Study	Other Information
		(in years)	
			Several categories of teachers may be distinguished:
			<ul> <li>certificated teachers (catedráticos numerarios) recruited through a competitive examination from among graduates holding a CAP or who have practical experience.</li> </ul>
			<ul> <li>assistant teachers (adjuntos numerarios) recruited by the centres, and not reculring to take the competitive examination, but they should satisfy age, nationality and physical fitness requirements as well as hold the certificates required by candidates taking the certificate examination.</li> </ul>
			<ul> <li>assistants (ayundantes) appointed for a specific length of time by the directors of the national institutes of secondary education. They have no direct teaching responsibilities.</li> </ul>
			Teachers in non-national schools can be either certificated, in which case they should hold a degree in philosophy and arts subjects or in science, or certificated supply teachers, in which case they should have a degree in any subject whatsoever or another equivalent diploma, or be auxiliaries recruited on the same terms as certificated supply teachers or from among candidates holding an auxiliary's diploma which does not necessitate the continuation of higher studies.
- Drawing	Escuelas de Bellas Artes (Fine Art schools)		Certificated art teachers are required to have completed the Fine Art course and have attended a pedagogical training course. Assistant teachers may complete only the general course.
- Physical education	Escuelas de educa- ción física (Schools of physi- cal education)		Physical education teachers are required to have completed the course of these schools.
- Religion			Teachers of religious instruction are classified, according to their functions, as certificate teachers and assistant teachers.
5. Centros de enseñanza laboral (Technical secondary education)			
- general subjects	Escuela de forma-	8	Teachers of general subjects are recruited according to the same regu-
- special subjects: drawing physical education, religion	ado (Teacher train- ing colleges)		Lations ior teachers in general secondary schools.
- Technical subjects	Institución de formación del pro- fesorado del en- señanza laboral (Technical teacher training colleges)	-	These teachers are recruited through a competitive examination from among holders of a "perito" diploma in engineering, architecture or other subjects. Candidates are required to have attended the pedagogic training course in technical teacher training colleges. Workshop supervisors are recruited from among holders of an advanced industrial qualification. After 5 years of practical teaching experience, teachers are required to sit a further competitive examination in order to confirm their appointment.

Other Information	Pedagogical training of vocational teachers also takes place in the technical teacher training institute.	Teachers are recruited through a competitive examination from among holders of a foreman's industrial certificate who have attended specialization courses.	Teachers are recruited from among holders of the "perito" sertificate (technician-engineer).	Candidates in competitive recruitment examination are required to hold a university title.	Teachers are recruited through an examination (oposición) from among holders of the "profesorado mercantil" certificate which is awarded at the end of the course in the "escuelas profesionales de comerció". There is no specifically pedagogic training. After 5 years of practical experience, teachers are required to take a competitive examination in order to confirm their appointment.	Teaching staff is recruited among holders of a higher technical school or university diploma. No pedagogic training is provided.	Senior staff:  - Catedráticos numerarios (titular professors occupying a professorial chair) are recruited either on curriculum vitae from among holders of another professorial chair or through a competitive examination open to holders of a doctorate with 2 years experience in teaching or research in a State establishment. They are appointed for life and have the same status as civil servants. They are responsible for the teaching of subjects of which they hold the chair.  Middle-level staff:  - Encargados de catedra vacante (interim professor) occupying a vacant chair until a permanent professor is appointed. They have the same qualifications and fulfil the same functions as titular professors.  - Profesores agregados (associate professors) who are recruited on the same terms as titular professors but who are generally in charge of one department. They are required to exercise their functions on a fulltime basis whereas this is not required of titular professors. They also have the same status as civil servants.
Length of Study (in years)	4						,
Place of Training	Institución de formación del pro- fegorado del en-	senanza laborai (Technical teacher training college)			ı	1	Universities
Teachers	<ol> <li>Centros de aprendizaje industrial (Industrial apprenticeship centres)</li> </ol>	- Iniciación profesional (Introductory vocational courses)	- Aprendizaje (Apprenticeship)	- Maestria industrial (Foreman's industrial certificate)	7. Enseñanza de comercio (Commercial schools)	8. Escuelas técnicas de grado medio (intermediate technical schools)	9. Universidades

Teachers	Place of Training	Length of Study (in years)	Other Information
			- Profesores adjuntos (assistant professors) who are recruited through a competitive examinaton from among holders of a doctorate. They are appointed for a period of 4 years with the possibility of reneving their appointment for the same period. They teach full-time. They can occupy a vacant chair but are more often responsible for the conducting of tutorials.
			- Encargados de curso (lecturers) appointed for 1 year by the Minister of Education and Science on proposal of the deen and after consultation with the faculty board. The majority hold a doctorate but some lecturers hold only a 1st degree. They teach secondary subjects.
			- Ayudantes (assistant lecturers) are recruited among degree-holders for 1 year on the dean's proposal after consultation with the relevant professor. They assist the professors and lecturers in practical classes, laboratory, clinical and group study work. They are in close contact with the students.
			Members of the academic staff of outstanding ability in their field may be decreed extraordinary professors.
10. Escuelas técnicas superiores (Higher technical schools)			The teaching staff of these institutions is subject to the same recruitment requirements and includes the same categories as the universities.
After the 1970 Reform			
I. Educación pre-escolar y educación general básica (Pre-primary and basic general education)	Escuelas universitarias de formación de profesorado (University teacher training colleges)	2/3	The 2nd cycle secondary leaving certificate (bachillerato) is a prerequisite for admission to these schools. Training in the theory and practice of educational methods is provided under the supervision of the institutes of the Sciences of Education and gives preparation for the "diplomado" examination (graduate). Students who have obtained good results throughout their studies immediately become part of the teaching staff. The others require to prove their ability through further examinations. Holders of the "diplomado universitanic" (university degree) who have attended the corresponding courses in the Institutes of the Sciences of Education also have access to the teaching profession.
<ul><li>II. Centros de bachillerato (2nd cycle secondary education)</li><li>General subjects</li></ul>	Universidades and Institutos de Ciencias de la Educación	5 + ped- agogic training	Teachers intending to enter the 2nd cycle of secondary education should hold a degree or an engineer's or architect's diploma. Pedagogic training is provided in the form of intensive courses held in the Institutes of the Sciences of Education. Students who have attended specialist classes in pedagogy during their university studies are exempted from these courses. Certificated teachers are recruited, in part, from among assistant teachers of same level on their curriculum vitae and, in part, from among university graduates who have completed the necessary pedacompetitive examination.

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Teachers	Place of Training	Length of Study (in years)	Other Information
			Assistant teachers are recruited from among university graduates who have completed the corresponding course in pedagogy. Recruitment is done by competitive examination and consultation of their curriculum vitae.
- Technical and vocational activities and education		,	Courtes are given by vocational teachers or teachers specialized in the subjects included in curriculum or by staff specially recruited for the purpose.
III. Centros de formación profesional de primero grado (1st cycle vocational training centres)	Centros de forma- ción profesional de segundo grado (2nd cycle voca- tional training centres)	2 + ped- agogic training	Candidates are required to have completed the 2nd cycle of vocational training and have attended a pedagogic course organised by the Institute of the Sciences of Education. Intending teachers are recruited through a competitive examination and consultation of their curriculum vitae or by a special contract.
IV. Centros de formación profesional de segundo grado (2nd cycle vocational training centres)	Universidades and Institutos de Ciencias de la Educación	3 + ped- agogic training	Candidates are required to hold a university degree (diplomado); peda- gogic training and recruitment requirements are same as for teachers of 1st cycle of vocational training.
V. Centros de formación profesional de tercer.grado (3rd cycle vocational training centres)	:	5 + ped- agogic training	Candidates require to be university graduates or hold an engineer's or architect's diploma and a specialist certificate. Pedagogic training and recruitment requirements are same as for teachers in university colleges (escuelas universitarias).
VI. Escuelas universitarias (University schools)	=	5 + ped- agogic training	Candidates require to hold a university degree or an engineer's or architect's diploma and have attended the intensive training course in pedagogy held in the Institutes of the Sciences of Education. Those students who have studied pedagogy as a special subject during their university course are exempted from these courses. Recruitment of titular professors (catedráticos) is done through competitive examination and consultation of their curriculum vitae. Graduates of a university college with the required pedagogic training may also apply.
VII. Faculdad y escuela técnica superior (Technical faculty and higher technical school)	=	۲-	In addition to required university qualifications, candidates should have pedagogic training acquired either during their studies for a doctorate or during their teaching experience.  Senior-level staff:  - Catedráticos numerarios (titular professors occupying a chair) are recruited, in part, through a competitive examination and consultation of their curriculum vitae among holders of the doctoral degree with the required pedagogic training and, in part, through a choice made from among the university professors with grade directly below. The choice is based on research work and teaching ability and experience. Certain persons of outstanding academic ability can be appointed emeritus

Teachers	Place of Training	Study Study (in years)	Other Information
			Middle-level staff:  - Profesores agregados (associate professors): 25 per cent of them are recruited through a competitive examination and consultation of curriculum vitae from among the assistant professors (adjuntos) satisfying the necessary requirements. Certificated secondary 2nd cycle teachers (bachillerato) may, with certain reservations, submit their application for the appointment. The remaining 75 per cent are recruited from among holders of the doctoral degree with the necessary pedagogic training. Recruitment is based on competitive examinations and consultation of
			- Profesores adjuntos (assistant professors) are recruited from among holders of a doctorate who have at least 1 year's experience as an assistant (ayudante) or who have done research work with the Higher Scientific Research Council. Visiting professors and assistant professors are appointed to carry out specific tasks in a particular department.
			Junior-level staff:  - Profesores ayundantes (assistant lecturers) recruited through competitive examination and consultation of curriculum vitae from among holders of degrees or an architect's or engineer's diploma. Candidates who, in order to take up their present occupation have had to show their ability in their field, may be exempted from the examination. Assistants are appointed for a period of 1 year with the possibility of renewal for
		144000	- Extraordinary professors: Persons of outstanding academic ability in their specific field of study may be appointed for a limited period of time. They enjoy the same academic treatment as the different categories of staff. They can be apppointed for an unlimited period of time if their services prove permanently necessary, but they never receive the status of a civil servant.

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